

From The STAFF

W.T.F.D.A. Headquarters, P.O. Box 514, Buffalo, NY 14205

1986 W.T.F.D.A. CONVENTION... It's time to start thinking about the 1986 club convention. Are you interested in hosting this event? If so, let's hear from you as soon as possible. Bids must be made to W.T.F.D.A. by November 1. All interested parties are asked to get a copy of the bid form--write us now, if you think you'd be able to host your club's 1986 gettogether in your hometown. All bids must be received by W.T.F.D.A. headquarters by November 1, and if only one bid is on hand by that date, that bid wins. Two or more bids will mean that there will be a membership vote to decide the site of W.T.F.D.A. convention '86. Hurry! If you're considering being the host of your club's convention, 1986 could be your year!

NEW EASTERN TV-DX EDITOR... We're very happy to announce that a veteran TV DXer and former VUD columnist is taking over the EASTERN TV section effective immediately. New editor is: John Combs, 2831 Selma, Jacksonville FL 32205. Many readers will remember the short-lived but excellent SOUTHERN TV-DX column he edited in 1977 for the VUD. A couple of years later, John took on the old FCC TV NEWS column, which has since evolved into Bill Fahber's TELEVISION NEWS. We're very grateful to have such a competent editor take over the EASTERN TV-DX duties. Reporters to this column can now send their loggings to John at the Jacksonville address above. We'd like to thank TV DXpert Bill Draeb for all the work he's put into this popular section in recent years, and hope he can do another column for us in the future!

SUPER SUMMER TROPO... While it hasn't been the best summer ever for most VHF/UHF DXers, tropo has proved to be super at times. Much of August was disappointing to some midwest DXers, but there were a few incredible ducting sessions, and some of it was a result of tropical storm and hurricane movement up the Eastern seaboard. We have word of at least one great mid-August opening that allowed Illinois DXers to catch New Jersey stations. Check upcoming DX columns for further details, and remember that in northerly regions, the best may be yet to come, as September brings Fall tropo patterns--often resulting in many days of super tropo conditions on the VHF and UHF bands.

OF INTEREST TO DXERS... The September issue of CONSUMER REPORTS looks interesting to both TV and FM DXers, with reviews of VCRs and budget-priced FM receivers; but beware--while CR does test items for such performance parameters as selectivity and sensitivity, their ratings are far too vague to be of much use to the DX enthusiast.

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This month's cover by Dave Nieman.

MAILBOX

September, 1985

Alan Hyams
P.O. Box 130
City Island Sta.
Bronx, NY 10467

After an unofficial "summer vacation", MAILBOX returns. To those of you who attended the New Orleans convention, I hope you had fun. Sorry I was unable to attend.

Dave Nieman sent me a few issues of an interesting Spanish DX digest. "MAF" concentrates on FM-TV DX, and it's put together very much like our own VUD. It's a bit more heavy on newspaper reprints, however, and it includes some advertising. If you're interested (and you have some mastery over the Spanish language) you can write to the digest at MAF Productions Ltd., P.O. Box 38.015, 08080 Barcelona, Spain.

David Sinclair has two bits of information he'd like to pass along. First, he has a new address: 6565 Brooks St., Vancouver, B.C., V5S 3J6, Canada. Secondly, he writes: "I wish to advise that KTZZ-TV Channel 22, Seattle, signed on the air June 18, 1985. Their first full day of programming will be June 22, as an independent commercial station, transmitting at full power of five million watts."

John Combs writes in that he's tired of reading about the logging procedures debate everymonth. Still, he writes in on the topic. (It's okay, you've had a three month reprieve, right?)

"To start with, the baseline standard for a logging has to be this: is the DXer convinced, through reasonable evidence, that he/she has seen such a station? Except for photos and videotapes, we all have to take each other's word for loggings anyway. The vast majority of DXers are honest and have high standards when it comes to counting loggings.

I think insisting on call letters seen or heard is too restrictive, especially now that so many stations only ID once an hour, and some even let that slip. It's nice that some stations supply an ID every fifteen minutes during prime-time, but not all stations are so diligent. The DXer simply has to have evidence beyond a reasonable doubt that he/she has seen the station, and to use more caution when dealing with potentially phenomenal loggings, such as double-hops, long tropo ducts and the like.

Totals are fairly meaningless anyway. When I look at a DXer's totals, I always take into account the geographical location and equipment involved. So what if a Cooper, Draeb or Seybold (sorry you guys always get dragged into these arguments...) log over 1,000stations? Put them in Florida with the same equipment, and they might be lucky to see 400-500. Put another DXer at the same location with an all-channel Radio Shack special at fifteen feet with a twin-lead, and 300 stations might be outstanding. At the risk of incurring the wrath of the cliche squad--it's all relative."

Till later, 73..

AL

WKZO Kalamazoo, Michigan	WKZO-TV Kalamazoo- Grand Rapids	KOLN-TV Lincoln, Nebraska	KQIN-TV Grand Island, Nebraska
WJFM Grand Rapids, Michigan	WKJF Canton, Michigan	WKJF-FM Canton, Michigan	KMEG-TV Sioux City, Iowa



The Hot 103!

TELEVISION NEWS

Bill Fahber, editor
336 Atlantic Street
Bridgeport, NJ, 08302

APPLICATIONS FOR NEW TELEVISION STATIONS

CH ERP HAAT STATE/CITY/APPLICANT
29 135 1997 CA Eureka; Sacramento Valley TV
42 5000 765 AR Little Rock; Dale Leininger
41 5000 1956 CA Ventura; Trucella Chumley
43 5000 863 MS Wiggins; South Mississippi Beg
40 5000 904 MS Holly Springs; Terry Kim
10 35.5 1590 NM Silver City; KOAT Television
55 1900 1301 OH Hillsboro; Pioneer Broadcast'g
36 5000 987 FL Cape Coral; Family Television
of Dalton Inc.
23 5000 2000 GA Dalton; Family Television of
Dalton Inc.
67 5000 511 AL Troy; Lynn W. Baker
5 100 -354 AK Anchorage; Fireweed Television
64 87.1 341 FL Inverness; Nancy Sharp
14 1000 549 MT Billings; H&W Broadcasting
41 1000 3929 NM Albuquerque; T&L Enterprises
41 26.5 4144 NM Albuquerque; Graciela Olivarez
38 5000 504 NC Greenville; East Coast Media
38 5000 275 NG Greenville; Winard Broadcasting
60 5000 1057 PA Bethlehem; Ashford Communic'n's
65 1000 -151 TX El Paso; Liquico Television
(If this is proposed KVIA/KCOS
tower, then data is all messed
up.)
54 5000 1529 TX Longview; Ashley Broadcasting
24 5000 294 VA Danville; Danville Broadcast'g
68 5000 751 VA Grundy; Crescendo Communic'n's
29 135 1997 CA Eureka; Sacramento Valley Tel.
68 5000 1089 CA Novato; Magdalene Gunden
35 104 510 MI Bad Axe; Delta College
65 1000 1454 TX El Paso; UN2JC Communications
22 2000 1030 TX Galveston; Galveston EW Inc.
(amended)
51 5000 1667 WA Bellevue; J&J Partners (am'ed)
51 4688 2081 WA Bellevue; C.R. Pasquier
41 5000 1956 CA Ventura; Trucella Chumley
25 5000 998 AR Pine Bluff; Charles Ray Shinn
(different data from applica-
tion listed in 10/84 VUD)
11 182 2766 NV Reno; Reno, Eleven Broadcasting
(amended)
11 275 2092 NV Reno; Reno Telecommunications
Company (amended)
11 177 2720 NV Reno; Washoe Shoshone Broad-
casting Ltd. Partner'planned
63 4169 2218 NJ Newton; Oneida Television
Limited (amended)
51 5000 2071 WA Bellevue; Bellevue Telecasters

APPLICATIONS DISMISSED

NV Las Vegas; ch. 15; Way of the Cross of Ne-
vada, Inc.
NM Roswell; ch. 8; Western Sun (FCC renewed
license of KSUS-TV and granted transfer of
license from KCBD Associates to the Stanley
S. Hubbard Trust.)
FL Venice; ch. 62; Todd Broadcasting Corpora-
tion (at its request)
CA Big Bear Lake; ch. 59; Josie Moore (Joint
request, granting application of Felice-Tec
CA San Bernardino; ch. 30; Asian-American
Broadcasting Foundation (which had contest-

ed the FCC's approval of Angeles Broadcast-
ing Network for interim operation)
NM Santa Fe; ch. 19; Susan Harris (joint re-
quest with Clara Rose Apodaca); Channel 19
Partnership (at its own request)
FL Miami; ch. 35; Hernandez, Costa & Asso-
ciates.
NC Belmont; ch. 46; Gabriel Broadcasting Co.;
Wander Broadcasting of Belmont; Scott
Neisler; Piedmont Crescent Broadcasting
Company (which merged with Metro Broadcast-
ing Ltd. to form Metro-Crescent Communi-
cations Inc.)
TX Houston; ch. 61; Houston Family Television
Ltd.; SMJ Television Company; Alliance
Broadcasting Company Ltd. (FCC Review Board
decision reversing initial decision. Urban
Broadcasting Systems was granted a construc-
tion permit, prevaioing on integration
and diversity grounds.)
FL Orange Park; ch. 25; Orange Park Florida
TV Inc. (FCC upholding Review Board deci-
sion. Applicant would create a short-spa-
cing problem.)
LA Baton Rouge; ch. 44; Baton Rouge Channel 44
Ltd. Partnership; Louisiana Super Communi-
cations Ltd. Partnership; Spondio Ltd.
WA Bellevue; ch. 51; Flomaton Communications
TX Conroe; ch. 55; Conroe Community Educa-
tional Outreach.

CONSTRUCTION PERMITS GRANTED

19 5000 1973 NM Santa Fe; CRA Broadcasting
69 5000 299 VA Fredericksburg; Rappahannock
Television Broadcasting Inc.
44 5000 1965 LA Baton Rouge; Parish Family
Television Ltd Partnership
59 5000 1000 CA Big Bear Lake; Felice-Tec
15 5000 2000 NV Las Vegas; People of the Fire
46 5000 1534 NC Belmont; Metro-Crescent Comm's
25 2061 496 FL Orange Park; Clay Television
Inc. (FCC upholding Review
Board decision)
52 105 1020 NY Ithaca; Ithaca TV Associates
(Review Board decision)
61 5000 1957 TX Houston; Urban Broadcasting
Systems

APPLICATIONS TO MODIFY CONSTRUCTION PERMITS

17 2600 1576 NC Goldsboro; WYED
19 2762 1243 OK Muskogee; KMKO
32 105 971 PR Aguadilla; WKU
56 2070 1000 FL Melbourne; WSCF
17 300 865 MT Missoula; KMSO-TV
64 5000 1572 CA Barstow; KVV
15 3221 1270 TX Abilene; KSUZ-TV
21 4986 1638 VA Lynchburg; WJPR

CONSTRUCTION PERMIT MODIFICATIONS GRANTED

30 5000 776 UT Ogden; KOOG-TV
58 1191 439 MA Vineyard Haven; WCVX (granted
6/21/85; now on the air)
18 2950 990 IA Davenport; KLJB
56 2778 1253 KY Danville; WDKY-TV
63 1782 1802 CA Oxnard; KTIE
22 68.3 2034 CA Cotati; KRKB
11 316 1710 AR Little Rock; KTHV
14 5000 1942 LA West Monroe; KARD
36 2100 ? NC Charlotte; WPCQ-TV

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3 100 1050 TN Chattanooga; WRCB-TV (amended)
22 3580 1411 PA Scranton; WDAU-TV

FACILITIES CHANGES GRANTED BY THE FCC
TX Houston; KHTV, ch. 39; granted MP to change
ERP to 506 kw; HAAT to 1878.75' (is this
their main transmitter or an auxiliary?)
CT Hartford; WHOT-TV, ch. 18; granted STA to
remain off the air 6/3 to 7/23/85.
IL Joliet; WFBN, ch. 66; granted STA to oper-
ate at reduced power until 9/5/85.
IN Terre Haute; WBAK-TV, ch. 38; granted STA
to operate at reduced power.

OH Cincinnati; WXIX-TV, ch. 19; granted STA
to operate at increased power until 7/15.
RI Providence; WSTG, ch. 64; granted to oper-
ate at reduced power.
TX San Antonio; KMOL-TV, ch. 4; granted STA
to operate at reduced power until 9/3/85.
VA Manassas; WTKK, ch. 66; granted STA to
operate at reduced power.

PR Aguadilla; WVDO, ch. 44; granted STA to
remain off the air until 9/10/85.
PR San Juan; WIPR-TV, ch. 6; granted STA to
operate at reduced power.
CA Sacramento; KVIE, ch. 6; granted CP to
raise ERP from 55 kw to 100 kw max.; 1888'
AAT/1995' AG/1896' ASL (766' higher AAT;
352' higher ASL); TL to 2.2 miles north of
Walnut Grove, south of Twin Cities Road;
coordinates 38°16'18" / 121°30'18" (1.7
miles north of present TL)

OH Sandusky; WGGN-TV, ch. 52; granted CP to
raise ERP from 49 kw max to 1073.4 kw max.;
774' AAT/715' AG/1415' ASL (104' higher);
same TL.
TX Houston; KHTV, ch. 39; granted license to
cover MP for change: ERP from 5000 kw max
to 4000 kw max; 1421' AAT/1408' AG/1485'
ASL (about 564' lower). Also granted another
license a week later back to 5000 kw
max; 1950' AAT/1970' AG/2019' ASL; on
that same date, was granted a CP for 506
kw max; 1878.75' AAT/1865' AG/1944' ASL.
All the same TL, even though the antenna
height data show some inconsistencies.
AK Anchorage; KIMO, ch. 13; granted license
to cover changes (see 10/84 VUD)

ME Bangor; WABI-TV, ch. 5; granted license to
cover CP for changes. (see 2/85 VUD)
MA Springfield; WLWP, ch. 22; granted license
to cover CP for changes: reduce ERP from
4170 kw to 3410 kw max; 877' AAT/495' AG/
1135' ASL (35' lower, even though the
same HAAT figure is kept).
TX Tyler; KLTW, ch. 7; granted license to
cover changes in TL; 990' AAT/1038' AG/
1388' ASL (470' higher AAT/338' higher
ASL); TL SW of intersection of Texas State
Highways 14 & 2015, near Hawkins; coordi-
nates 32°32'20" / 95°13'16" (Azimuth 12°,
13.2 miles from present TL)

CALL LETTER CHANGES: NEW STATIONS
CH C.L. STATE/CITY/APPLICANT
58 KDTX-TV TX Dallas; KDIA-TV
16 KZAR-TV UT Provo; Morro Rock Resources
CALL LETTER CHANGES: STATIONS ON THE AIR
11 KSHB-TV AZ Tucson; KZAZ
59 WIXM-TV IN Indianapolis; WPDS-TV
36 KDTX-TV TX Dallas; KDIA-TV

CHANGES IN THE TABLE OF CHANNEL ASSIGNMENTS
CO Denver; add 50z and 59z
WI Rice Lake; add 16z
PR San Juan; add *62z (site restriction 21.6
miles east to avoid short-spacing to WUSA,
ch. 58 in Caguas, PR)

CONSOLIDATED HEARINGS

NE Omaha; ch. 54; Omaha Channel 54 Inc.; Mary-
land Williams; Omaha Telecasters, Inc.;
Minority TV of Omaha.
OK Tulsa; ch. 53; Tulsa Broadcasting Group Inc;
Native American Broadcasting Company; Tulsa
Television Ltd.; EAM Broadcasting.
AZ Tolleson; ch. 51; Great Arizona Broadcasting
Company; Lifestyle Broadcasting Corporation;
Dylan Forney; Susan Cordova Kelly; Marimar
Communication Corporation; Schulze-Wagner
Partnership; Tolleson Broadcasting Corpora-
tion; T.V. Broadcasters, Inc.; Tolleson
Gomez Communications Inc.; Alden Television
Inc.; Hector Garcia Salvatierra Limited
Partnership; Madrid Communications Ltd.
Partnership; Aztec Broadcasting Corporation;
Estrella Communications Ltd. Partnership;
Maricopa Media Inc.; Li-Con Ltd Partnership.
FL Gainesville; ch. 61; American Communications
and Television Inc.; Cozzini Communications
Corporation; Gainesville Television Group
Inc.; Gator Broad asting Ltd. Partnership;
Central Florida Broadcasting Corporation;
Gainesville Telecasters Ltd.
FL Sebring; ch. 60; Focus Broadcast Communi-
cations Inc.; Channel 60 Inc.; Hunt Partner-
ship; Ridge Broadcasting Company, Inc.

NEW STATIONS ON THE AIR

PA Hazleton; WWLF-TV, ch. 56z; should be safe
to assume that the station has been on the
air as of July, 1985. Tom Yingling report-
ed seeing WOLF-TV, ch. 38, using dual iden-
tification with WWLF. Also, I managed to
log a weak signal whose programming para-
lleled WOLF-TV. As of yet, there has been
no confirmation from club members or re-
search. 9.792 kw ERP; 626' AAT/411' AG/
2131' ASL. Independent station; hopefully
more data next month.

IA Davenport; KLJB, ch. 18+; seen by Nate Ely
testing with 3/4 CBTP on 7/3/85; seen by
Robert Baker of Humboldt of Davenport, IA,
with commercial programming in early Aug-
ust. Bob Hempel sent a clipping from the
8/1/85 Des Moines Register that reads,
"KLJB-TV, the new independent station in
Davenport... is scheduled to go on the air
one week from today." Recently granted CP
modification for 2880 kw max ERP; 1080' AAT/
1033' AG/1813' ASL; coordinates 41°19'43"/
90°22'55"; TL 1.75 miles south of Orion, on
west side of Highway 150. (That puts it in
Illinois, right next to the WIBF-TV tower
in or near the northeast tip of Mercer
County.)

OK Tulsa; KTCT, ch. 47z; signed on 7/1/1985;
1666 kw max ERP; 1513' AAT/1425' AG/2135'
ASL; TL about 20 miles ESE of Tulsa on
KOTV tower; coordinates 36°01'15" / 95°40'32";
address: Television Communications Inc.,
11414 E 58th St., Tulsa, OK, 74145.

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MA Vineyard Haven; WCVX, ch. 58+, formerly W58AO, is now on as a full service broadcast station, as reported by Ben Wilkie. Recently granted a CP modification for 1191 kw max ERP; 349' AAT/345' AG/370' ASL; TL WQRC-FM tower, at Oak Street, 0.6 mile north of Route 6, Barnstable; coordinates 41°41'19"/70°20'49". Owned by Cape Video Network; independent station.

FORUM

Ben Wilkie asks about WGOT, ch. 60 in Merrimack, NH. No word yet; they got their construction permit two years ago, which should be long enough to get on the air.

John Combs asks when my deadline is for the column. Perhaps others have wondered that also. I have none. There have been a few occasions when a letter came on the 13th of the month, the day I send my column. If I have space left, I'll include it. Other times I have let letters go for more than a month. (John: thanks for the free postage stamp!) He sent a news clipping, which I assume is a Florida newspaper, about network changes in North Carolina, which is really of great importance to Florida residents. WRAL (ch. 5 in Raleigh) and WTVD (ch. 11 in Durham) will switch networks because of the merger of Capital Cities and ABC. WRAL will become CBS. WTVD will become ABC. WTVD is owned by Capital Cities. In another clipping, WLTV-TV, ch. 12 in Jacksonville, is no longer on all night. Evidently not too many people stay up to watch Gunsmoke, Mannix, Rhoda or Alice at four in the morning. Other brief tidbits from John: WTKV, ch. 33 in Valdosta, GA, plans to go on the air late summer, 1985 with family and educational programs; WTGS, ch. 28 in Hardeeville, SC, is scheduled to go on 9/1/1985; as of 7/7/85, WSVF (ch. 3 in Savannah, GA), is still ABC and WJCL, ch. 22, is still NBC.

From Tim McVey: WZDX (ch. 54, Huntsville, AL): The manager of WZDX wasn't too pleased with the station's ratings for the first full month of operation. It's strongest point seemed to be during the late afternoon when the local network affiliates had network news. Jackson TN stations WJWT (ch. 16) and W38AD are both on the air. Tim says that a portable TV 25 miles south of Jackson won't be able to pick them up without a decent antenna. Both are independent stations. W38AD is heavy on movies, video music, some satellite-fed programs (INN News, BizNet, Ask Washington), and only two old syndies. WJWT is heavy on cartoons and kiddie shows in the morning and after school. Many of them as well as the other syndies are a mixture of old and current, and some of them are among the more popular. Only one movie per day, at prime time.

Tim also sent a good-sized article about WKCH, ch. 43 in Knoxville. Because its advertising rates are cheaper and its audience is more concentrated in the Knoxville, metropolitan area, WKCH is more suited to appeal to the smaller local businesses for advertising. The station is using counterprogramming strategy, with a syndicated program when the other stations have evening news, and

SEPTEMBER, 1985

the popular Star Trek during the 7-8 p.m. hour during which the network stations (Eastern Time) try to fill with junk. The station as yet does not have a regular news program, but the station is still growing.

Fred McCormack answers a few questions in the July VUD. KXMC, ch. 13 in Minot, ND, probably gave up its secondary ABC affiliation when KCMY, ch. 14 signed on. (Which brings up another question: How come I never found out about KCMY (or is it KMCY?) coming on the air? And is it an ABC affiliate? When did it sign on?) "This has the effect of leaving the communities of Dickinson (KXMA-2) and Williston (KXMD-11) with no over-the-air ABC programming." The latter two are satellites of KXMC-13. "I have noticed that KCHY-14 and KMBY-17 (Bismarck, ND-wbf) are not parallel with WDAY-6 on Sunday mornings. They sign on later and have some different programs. Both stations appear to be operating from KMBY-17's studios at present and always have a dual identification. Local news programming has not yet begun in earnest, but there are 5 minute local news segments during the Good Morning America program." "Also, KXUS-3 is a satellite of KOUS-4 and has had common ownership since March of 1984." Two new LPTV stations: K34AJ in Sioux Falls SD with 24-hour Odyssey video music. K28AP in Neligh NE, translator of KOLN-10, came on 4/10/85 with 1 kw (TPO?) on a 400' tower.

Randy Miltier sent an article from the San Jose Mercury News (which also includes news from Earth), dated 6/26/85. KTEH, ch. 54 in San Jose, which lost a large part of its funding when the Santa Clara County Board of Education dropped \$750 thousand annually from its contributions. As a result of its emergency fund raisers, it managed to raise nearly all of its goal of \$1.5 million. The station is safe for another year, but next year it has to raise \$2.5 million in pledges.

Nate Ely uncovered the mystery of the Iron Mountain translators after all these years. He got in touch with the owner of J&R Electronics, which operates them. There are no call letters for the translators on 43, 55 and 65. They are operated under STA (Special Temporary Authorization). But because of interference to ch. 64, the 65 translator's authorization was rescinded, even though the 64 translator was changed to 63 with calls W63AR. J&R apparently made up some of the call letters themselves. The owner said, for example, that the AE from W75AE was kept when the translator changed to 61, and became W61AE. So who knows if these call letters are authorized? They are all operated from the same tower, owned by UP TV Systems, and are all 200' AG except for ch. 55 and 57, which are 200' AG. They are all 100w TPO except for ch. 69, which is 20w. Radio station WJNR, also uses the tower, which is situated on Millie Hill, coordinates 45°49'15"/88°02'38". Their translators are: K47AF (The Movie Channel); W57BF (WLRE, ch. 26); W59AQ (WGN, ch. 9); W61AE (WJMV, ch. 3, scrambled); W67AQ (VH-1); W63AE (CEN); K69BA (WPNE, ch. 38); W72AA (WTBS, scrambled); ch. 43 (WLUK, ch. 11); ch. 55 (WLUC, ch. 6); and ch. 65 (formerly ON-TV,

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now Selec-TV). That makes a total of eleven translators. WIIM-TV, channel 8, which has a CP to build a station in Iron Mountain, had expressed interest in having its transmitter on the same tower as the translators.

Other news from Dale: W16AL (-AC?), Land-O-Lakes, WI, is now on the air with STV. K42AC in Alexandria, MN, is now on the air, repeating KWCM-10, Appleton, WI. KIIN-29 in Minneapolis is now operating a ch. 42 translator in St. James, MN. Dale also reported seeing KLJB-18 in Davenport, IA, testing with a 3/4 CBT on 7/3/85.

Ron Wing reports that KSAS, ch. 24 in Wichita hopes to go on the air on 8/24. He sent a letter from the Wichita Eagle-Beacon (which also includes news about humans), dated 7/10. According to the article, KSAS is still trying to hire enough staff members to operate the station. "That's the word from Lee Hanna, executive vice president of Columbia Communications, which holds the license (sic) to KSAS." "Because it is a UHF independent some television sets may require a hoop antenna attachment...to receive it over the air. Hanna said Channel 24 officials would back a program to distribute the antennas." (Do I understand from this article that television sets have some mysterious ability to receive UHF network signals better than independent signals from a UHF station?) "Wichita was a hotly contested market for an independent station because it is the largest one...in the country currently without one." "The independent station has been an on-again, off-again project for nearly five years."

Jim Korn has some corrections for the Translator-LPTV List. K55AB in Ridgecrest, CA, carries KCEI-28, not KVHQ-6

Paul Gaines sent some articles from the Detroit Free Press, which still charges for its newspapers, several dates, but all related to WXYZ-TV, ch. 7 in Detroit, owned by Capital Cities. WXYZ is one of the stations selected to be sold by Capital Cities as a result of its merger with ABC. The FCC had suggested that Capital Cities may be more likely to keep both its Philadelphia and New York stations, which overlap in coverage areas, if it sells some of its surplus television stations to minorities. But with the sale of WXYZ expected to go to about \$200 million, very few minorities seem to be interested. In a later article, it was reported that the station would be sold to Scripps-Howard for \$246 million. Some industry observers made comments that Scripps-Howard was not aggressively managed and has a reputation for running low-budget operations. Those observers wished to remain anonymous.

George Hileon sent a news clipping about WLNE-TV, ch. 6 in Providence, RI, which is having a labor dispute. When the present owners took over, the station was a closed shop, which means compulsory union membership. The owners, a subsidiary of Freedom Newspapers Inc., stopped withholding union dues when the contract ran out in 1983. Freedom Newspapers is a right-wing company which, as libertarians is against compulsory membership to any kind of organization. Libertarians also believe

that government is a remedy for nothing. The union which had represented the workers has been urging viewers to "Switch off 6."

Dave Nieman sent an article from the Buffalo News (which also includes news about people), about WKBW-TV, ch. 7, another of the Capital Cities stations for sale. Unlike the Detroit station, this one is a better candidate for sale to minority interests. And among those interested in the station is C.J. Simpson. Elsewhere in Buffalo, WNYB-TV, ch. 49, not yet on the air, is being sold by Bison City Television to the Television Corporation of Buffalo. Dave says that they haven't even begun construction of the transmitter tower yet.

Jim Pizzi sent an article from the Lubbock Avalanche-Journal (which reports other earth shaking events as well), dated 8/3/85. "Lubbock's newest television station, Channel 40, affiliated with the American Christian Television Service, began operations this week to bring 'positive localism and upbeat family shows' to the city...." "...the 24-hour new station will try to develop programming that reflects Lubbock in a positive way, with emphasis placed on city events and upon positive Christian-value shows through the parent affiliate. 'Sex, violence, abusive humor and adult drama will definitely not be included in our programming.'" That leaves out football games. "Channel 40 is a licensed, non-profit, low power UHF station that will transmit 24 hours a day at 1000 watts of power from atop the Metro Tower in downtown Lubbock. Service will be limited to the Lubbock area. To receive Channel 40, Lubbock residents can turn to the UHF reception frequency, 'U,' and then turn to dial number 40. For good reception, viewers in most areas will need a UHF 'loop' for their direction antenna."

In a newspaper editorial also sent in by Jim, the writer expresses his opinions of the proposed channel swap between commercial and noncommercial stations. "If the public stations succumb to the illusory temptations of the get-rich-quick scheme, they will have irrevocably undermined the painstaking, decades-long effort to provide the nation's viewers with high-quality television programming."

Jim adds, "I haven't seen KNAT-23 in a couple of months and they aren't listed anymore in the (Albuquerque) newspaper, so I guess they went dark. KNMZ-2 was the probable cause. They use KNMZ as a logo. K40AN is on in Lubbock. The signal here is poor to fair normally but good with morning & evening tropo enhancement." More LPTV mysteries in the Texas area. Jim records a ch. 18 LPTV with ACTS, about 150 to 250 miles ESE of Lovington. Also, a channel 44 xtr in eastern Kansas or southwest Missouri repeating KZKC-62. A channel 52 translator (not K52AN in Elk City) in southern Oklahoma repeating KMGC-34. A ch. 53 xtr, maybe in Ruidoso, NM, repeating KOB-4 or KWSW, ch. 8. Channel 61 xtr in southwest Oklahoma repeating KOKH-25. A ch. 66 xtr also in SW Oklahoma repeating KGNC-34. The ch. 18 xtr was definitely not K18AL in Sulphur Springs, TX. Jim also asks if KDCD, ch. 18 in Midland, TX, on yet. Not that I know of.

If anybody has any ideas on those translators, contact Jim.

Chris Hanley reports that WLXI-61 had been bought by a local developer who wants to change its format from rock/country videos to some other undisclosed format. "Most likely standard UHF rot," says Chris. "Note to Ed Shepherd: I get WHKY-14 during DX season frequently but badly. The real trick for me is logging WTVI-22 Charlotte." WUNG, ch. 58 in Concord, NC, is now operating at its new power and is identifying as Concord-Charlotte. The recorded sign-off voice mentions only Concord.

Several articles from W.R. McIntosh. From the Los Angeles Times, 7/24/85, an article on an appeals court decision that declared the FCC's "must carry" rules unconstitutional. The National Association of Broadcasters is taking the issue to the Supreme Court, hoping to reverse the decision. Otherwise, the decision would have a major effect on the broadcasting and cable industries. The rule requires that cable operators carry the signals of all broadcast stations within 35 miles, even if some programming is duplicated. As a result of this rule, many subscribers have been deprived of some of the satellite-fed cable services. This decision could result in reducing the viewership of some television stations, particularly the public television stations and noncommercial UHF stations, as well as increasing the viewership of cable-only networks. The court decision held that the FCC rule infringed on the cable operators' First Amendment rights by limiting their editorial discretion. Also, the rule totally ignored cable subscribers. The FCC and the broadcasting industry view the must-carry rule as assuring local program service in areas where over-the-air TV reception is difficult. The cable industry views the rule as a way of protecting broadcasters from competition.

The next article updates Dr. Gene Scott, pastor of Faith Center, which owned several broadcast stations until the FCC took them away. "The church lost its license to operate Channel 30, now called KAGL, after a long-running dispute between the FCC and Scott over the federal agency's demand that Scott turn over the financial records to FCC investigators. Irregularities had been charged in his management of the station, but none of the accusations of financial mismanagement was ever proved. The dispute over the licenses of Channel 30, a San Bernardino FM radio station and TV stations in San Francisco and Hartford also owned by Faith Center was strictly over his refusal to turn over records to the FCC." "But he's put together a new network by buying time on some stations-usually in the middle of the night-selling satellite receiver dishes to his followers and persuading cable companies to run his programming 24 hours a day on closed circuit. The network now includes 18 over-the-air stations and cable outlets in 15 markets." "Scott has rebuilt his TV network into a greater force than it ever was,

and, in the process, he has become a popular late-night TV attraction. In fact, in Dallas and Reno, two of the markets where his "Universal Network" appears via satellite, the latest ratings show Scott to be at least as popular as NBC's David Letterman.... Occasionally, he blows away ABC's Ted Koppel...."

"In New York he's carried on Spanish-language WNJU-TV, Channel 40 (sic), where his is the only program aired in English." (WNJU is 47.)

From the Los Angeles Times, also sent by W.R. McIntosh, an article dated 7/28/85 about the demist of KNAT, ch. 23 in Albuquerque, NM. "What happened to Channel 23? When KNAT-TV, an independent television station...went off the air at the end of April, few people outside New Mexico noticed. Like scores of other independent stations around the country-stations not affiliated with any of the Big Three commercial networks-KNAT had a relatively weak signal and an undistinguished program schedule that had attracted relatively few viewers and fewer advertisers in its brief three-year life." "At a time when some independent TV stations are commanding astronomical sales prices and revenues surpassing network-affiliated stations, KNAT failed miserably. "There are going to be more independents going under or broke in the next five years than in the history of independent television," Greg Nathanson, vice president for programming of Los Angeles-based Golden West Television, told a recent luncheon...."

"Across the country, the number of independent stations has grown from 121 in 1980 to more than 214 today. The Washington-based Assn. of Independent Television Stations estimates that another 25 may go on the air within the next 12 months. The association expects about 300 independent stations on the air by 1990. Like Albuquerque's darkened KNAT, 181 of these new stations are...UHF.... Many of these UHF stations have profited from a 20-year-old federal regulation requiring local cable systems to carry signals of smaller over-the-air stations. Two weeks ago, however, a federal court declared the regulation unconstitutional.

Larry Fuss comments on my question about the noncommercial status of WNYC-TV, ch. 31 in New York City. "It is apparently licensed as a non-commercial, even though on a commercial channel." He also adds on the June column, "The Raleigh, North Carolina listing (consolidated hearings-wbf) didn't show Charles Ray Shinn. He was the first applicant to file for channel 50." On the August column, he adds some missing data. "The info for Salt Lake City Family Television Inc. is 8 kw at 3881 feet (Channel 13). Gemini Broadcasting of West Virginia...166 kw at 1219 feet (Channel 11)." That's in Charleston.

NEXT MONTH: More from Larry Fuss, Bruce Elving, W.R. McIntosh that I didn't have room for. Plus lots of news about stereo TV, public VHF station channel swaps, Canadian news from Walter Patton, and much more.

CC FM NEWS

Bruce F. Elving, Ph.D., Editor
Box 24
Adolph MN 55701-0024

New FM Stations, Translators Granted

- AK Galena AFBN *90.5 (beautiful), 300 watts
AK Keweenaw K221BL *92.1 (KUAC 19.7)
Fairbanks AK translator
AK King Salmon (12 mi ESE Naknek; 60 mi ESE Dillingham) AFBN *101.7+5, b. 300 watts
AK Palmer K2088C *89.3 (KSKA 91.1 Anchorage)
AK Seward K201AD *88.1 (KSKA translator)
AK Sitka *100.1 KMTE ethnic, listed to "Armed Forces Radio," but believed run by Mt. Edgewater Indian High School, Bureau of Indian Affairs, 10 AZ Flagstaff K292DF 106.3 (KDFM 96.7 Wins) AZ Little Acres K226CI 106.3 (KKUJ 103.8 Pay.) AZ Peoria 103.5 85000 h.v.; 2200 CA Bishop K265CA 101.7 (KHUP 104.1 Modesto) CA Demarest, San Ramon KYUU-1 98.7, 10 watt-on-channel booster of KYUU 98.7 San Francisco CA Fort Bragg K228CJ 93.5 (KWCN 94.5 Ukiah) CA Humboldt K214AT *90.7 (KNSR 90.1 Ashland OR translator) [Tonopah NV]
CA Mammoth Lakes K280CJ 103.9 (KPAH 92.7) CA Oranica K252CE 98.3 (KZIQ-FM 92.7 Ridgecrest CA)
CA Grainger K265CF 100.9 (KXNN 101.9 Quincy) CA San Francisco KITS-3 103.5 (on-channel FM booster of KITS 105.3 San Francisco), 10 watts CA Walnut Creek K228CI 93.5 (KYA 93.3 San Francisco translator) [Valle CO]
CO Breckenridge K257CS 99.3 (KVMT 104.7) / CO Lake City K228CG 93.5 (KVLE 102.3 Gunn.) CO Dillon-Breckenridge K237B 95.3 (KGMG 101.5 Eagle CO) [Springfield]
CO Durango K286DF 107.1 (KRGS 106.3 Pagosa) CO Glenwood Spring K257CP 99.3 (KVMT Vail) CO Romeo & La Jara K240B 95.9 (KOB-FM 93.3 Albuquerque NM)
FL Key Largo 103.9 2300 h.v.; 340'
FL Key West WKRY 93.5 2000 h.v.; 110' [Pierce]
FL Port Charlotte W249AQ 97.7 (WNSR 95.3 FU)
FL St. Petersburg-Tampa WFTF-FM *91.7 3000 h.v.; 150'; Community Radio (Kahului) HI Kahului-Wailuku K257CG 99.3 (KHN 99.9) ID Bonners Ferry 92.1 3000 h.v.; 50' [Burl.] ID Pocatello K285CO *104.9 (KRIC 100.5 Rex-10 Sandpoint 90.1 1300 h.v.; 235'; g Ed. Found. ID Decatur 100.9 3000 h.v.; 300'
LA Lake Charles K268DA 101.7 (KDWN 90.5 Port Arthur TX) [Lawrence]
MA Wrenham W268AH 107.1 (WGTY-FM 93.7) MI Harbor Beach WWTM 105.5 3000 h.v.; 330'
MN Grand Marais K220BI *91.9 (KDWN 90.5 Duluth, 1 watt-power reduced from original application because of FCC concerns about interference to KBJR (TV), channel 6) MN La Crescent (serving Le Cross WI) W257AJ 99.3 (WISQ West Salem WI, also see "Delegations") [Minneapolis MN]
MN Payneville K244CG *96.7 (KTIS-FM 98.5 / MT Cut Bank K288DH 105.5 (KXE 95.1 Hix.) NV Elko K276CC 103.1 (KILA 95.5 Henderson) NV Indian Village K217BA 91.3 (KUNR *88.7) NV Indian Springs K204AP *88.7 (KNPR 88.7 Las Vegas) NV Pahrump K204AN *88.7 (KNPR) [Vegas] K244CE 96.7 (KFM 101.9 Las / 107.5 25000 h.v.; 260' [Camden]) NJ Brigantine W207AB *83.3 (WKDN 106.7) NM Clovis K228CH 93.5 (KDIP 96.9 Odessa TX) NM Grants K216AW *91.1 (KANW 89.1) NM Las Vegas K220AW *91.9 (KUNM 90.1') NM Los Lunas 102.3 2700 h.v.; 290'
NY Coming W214AA *90.7 (WSKG-FM 89.3 Binghamton-on-air and DX ready with 1 w) NY Corning K209AF *89.7 (WSKG-FM) NY Ithaca W288AS 105.5 (WVBK 93.5 Ithaca) -NY Oneonta W219AG *91.7 (WSKG-FM)
- CA Soledad K240AK *95.9 (from Greenfield CA; seeks 91.7) CA West Covina K208B 98.3 2300 h.v.; 330' Cleveland) CA Youngstown W219AF *91.7 (WCRF 103.3 OK Cordell 98.3 3000 h.v.; 200' OK Enid K272CF 102.3 (KDFM 104.1 Ok. City) CO Morrison KWBI *91.1 100000 h.v. (1180') CO Sand Springs 102.3 1600 h.v.; 425'; Tulsa rim-shots? [Toledo OR]
OR Lincoln City K288DI 106.5 KEL 107.1 / OR Myrtle Creek K244CF 98.7 (KMC 94.5 Eugene) [Binghamton NY]
PA Mansfield W215AC *80.9 (WSKG-FM 89.3 / PA Franklin-Hazleton W202AH *88.5 (WWDN 106.9 Camden NJ) [Warminster PA]
PA Sellersville W204AD *88.7 (WCSD 88.3 / SC Foley Beach (sever) Charleston 97.7 3000 h.v.; 330' [townie, MN]
SD Aberdeen K292DG 106.3 (KCGN 101.5 Or.) SD Yankton *90.7 520 h.v.; 5430'; g Great Plains Educational Trust
TX Bowis K211CS 92.1 (KMGK 102.9 Dallas) TX Cleveland K285CD 104.9 (KYK 93.3 Port Arthur)
TX Corpus Christi K285CR 100.9 (KYK)
TX Huntville K252CG 98.3 (KYK)
TX Kigore K232CA 94.3 (KMGK 102.9 Dallas) TX Midland 106.7 2000 h.v.; 610' [Dallas]
TX Mount Pleasant K221CF 92.1 (KOZY 105.3) TX Nasogobles K273BZ 95.3 (KYK 93.3)
TX Pekin/Kosciusko K280GL 103.9 (KWWN 97.7) TX Santa FA 22-22-88; 95-04-37; approximately 12 miles SSW Houston [0.5 8000 h.v.; 510'; g, Open Bible] [Foundation]
TX Weatherford 89.5 370 h.v.; 205' G; Beto; LA Hatchetos K280CK 103.9 (KAJN 102.9 Crowley LA)
UT Bountiful 99.5 30000 h.v.; 3560'
UT Delta K272BT 102.3 (KSSD 95.5 Cedar City) UT Wasatch Forks W286AM 107.1 (WHEP 95.5 High Point NC)
VA Winchester 91.7 100 h.v.; 1150' Alpha Ed. Foundation, g. This grant has the potential to serious conflict with earlier grant of 91.3 in Winchester VA to WTRM.
WA Cheney 101.1 10000 h.v.; 625'
WI Ashland K218AR *91.5 (KDWN 90.5 Duluth) WI Laramie K268AH 101.7 (KUWV 91.3) [Laramie]
WY Sinclair K206AJ *89.1 (KUWR 91.3 / PR Capus W2NT-1 93.7 10 w (WZNT San Juan on-channel booster)
PR San German WIOA-1 97.5 10w (WIOA - Mayaguez on-channel booster) [Known]
BC Kelowna CILK 101.5 b. power, height / MEXICO Monterrey XHMFB 104.5 100000 h.v.; 1970', "shouldn't be deleted-they are still on the air."
NEW DEVELOPMENTAL STATION TN Crab Orchard 95.7 130 watts; Sandra J. Lewis. To test research in audio subcarriers; I may list this in the next "FM Ad."
Facilities' Changes Granted
AL Birmingham WMUJ 96.5 1025' (100000 h.v.) AL Jackson WHOD-FM 104.9 2000 h.v. (380') AL Mobile WBLX 92.9 1555' (100000 h.v.) AL Homer K252CF 98.3 (from K265AG 100.9) AK Port Lions K220AU *91.9 (not K290AU 105.9)
AK Shemaya AFSN 90.5 (200'), monaural AR Mountain Home KPFM 105.5 1300 h.v.; 475' CA Chico KCHO *91.7 (from 91.1) 7700 h.v.; (1220') [h.v.; 1015']
CA Red Bluff KRBO 102.7 (from 102.3) 12000/ CA Ridgway K232AM 94.3 now KRTB 101.1 Las Angeles (not KKHR 93.1 L.A.) CA Salines K237CA 95.3 (from K240AH 105.9)
CA Rutland WRUT 97.1 1100 h.v.; 2500'

Explanation Provided

For FM Station Loss

An explanation has been given to area listeners who tried to tune in a Hazleton FM radio station (with an area translator this week, but could not do so).

Jack Kennedy, owner of the translator that was rebroadcasting the Hazleton station and owner of WJKR (J104) near Muncy, explained the change is due to a Federal Communications Commission regulation that one person cannot own two transmitters in any given area that broadcasts two separate signals within the same frequency range.

103.9 Muncy (from WWSH 97.9 Hazleton, which now calls self "Wish 97," still b) OH Findlay WHMO 100.5 440' (20000 h.v.) SC Greenville WEPR *90.1 85000 h.v.; 1185' TN Gatlinburg WVTN 105.5 310 h.v.; 945' TN Jonaboro-Johnson City (from Elizabeth) WJSO-FM 99.3, stereo TX Mission KITM 105.5 285' (3000 h.v.) VT Rutland WRUT 97.1 1100 h.v.; 2500'

[340'

VA Franklin WFLO-FM 95.7 adds v, 10000 h.v.; / WA Grand Coulee KEYF 98.5 25000 h.v. (460') WV Miami WVCN 107.3 (from 107.1) 24000 h.v.; 675' [monophonic]
WI Chippewa Falls WCFW 105.5 adds vertical, still/
FACILITIES QUESTIONABLE
IL Chicago WBEZ "91.5 said to be 8300 h.v.; 1170'
from John Hancock center, but I've seen nothing
official on this. Also WXRT 83.1 Chicago said
to have 1170'.
Call letters Changed or Assigned

AL WQED "91.9 WJRI

AL Phoenix City 100.1 WEIZ-FM (from WEIZ)

AK Anchorage 103.1 KBLK [106.3]

AK Kodiak "107.1 K28DC (formerly K282BN /

AK Salida 101.7 KPN (KENY)

AP Brinkley 102.3 KOMC ("FM") (KBRI-FM)

AR Clarksville "91.7 KGMR

AR Jonesboro 100.1 KDEZ

CA Bakerton "91.2 KBKE

92.1 KIWI

CA Colusa 107.5 KTMX (KCYM)

CA Fresno "90.3 KFWO

CA Madera 92.1 KXMK (KUUL)

CA Mojave 97.7 KAVS (KDOL-FM); still mono?

CA Oceanside 102.1 K2E2-FM" (KEZL-FM non-

ID assumed still in use)

CA San Francisco 96.5 KOIT (KOIT-FM), nonID

assumed dropped.

CA Yucca "90.1 KLRD (K-Lord?)

[Star-101]

CO Alamosa "90.1 KAEB

[Star-101]

FL Coco Beach 101.1 WSTF (WCKS), now r, /

GA Savannah "90.5 WYFS

GA Tifton 100.1 WGY (WVCP)

GA Tuscon 101.1 WZLI (WLLET-FM)

ID Payette "81.5 KZRW

ID Twin Falls "81.7 KZRT

IN Columbia City 106.3 WWWW (WKSY)

IN Covington 103.1 WCWD (WWVV)

IA Keokuk "90.9 KCBC

IA Waterloo 105.7 KOKZ (KCBK), OM-FM (strict,

adds Cedar Rapids to ID, r (hits), no network

KS Ogallala 103.3 KQLA

KY Paducah "91.7 WOAL-FM"

LA Hatchetop 95.9 KZBL

ME Westbrook 100.9 WYNZ-FM (not WYNZ) —

"70 Portland calls are WYNZ, not WCHS as in

Vane Jones' log."

MN Benson 93.5 KSCR (KBMO-FM); "SC-93" (not

strict), c.

MS Newton 106.3 WMVO (WNWN) [95'

MO Kansas City 94.8 KBKC (KCMO-FM), r, "B-/

MO Thayer 98.3 KLHO

MT Bozeman "81.1 KMEA

MT Helena 104.1 KAPM

NM Los Alamos 98.5 KKHJ (KRSN-FM)

NY Buffalo "88.5 WERE (WPER)

WA Bremerton 103.8 WEZG-FM (WEZG-FM)

NY Sidney 100.8 WCDW-FM (WSID), r, Mutual, \$

NC Elizabeth City "80.7 WRVS-FM"

NC Raleigh 96.1 WLYT (WYDD)

ND Grand Forks 107.5 KJKJ

OH Beloit "89.5 WCVY OH Clyde "90.5 WHVT

OH Ironton 107.1 WMVL (WITO)

OH Upper Sandusky 95.8 WYNT (WYAN)

OK Tulsa "90.9 KKVO TX Abilene "88.7 KACU

OK Frederick "81.5 KZYK

OK Oklahoma 94.3 KOKL-FM (KOKB)

OK Vista "81.5 KEJC TX Austin 85.5 KOKE

PR Baker "81.1 KJVS (KOKE-FM) "Lil' 85"

OK Lake Owasso 106.7 KMJK-FM (KMJK); nonID

assumed dropped) TX Brownwood "90.3

OK Pendleton "89.9 KOSJ KUB

PA Erie 98.9 WXKC (WLNU)

PA Johnstown "89.5 WFRJ

soft rock

PA Providence 105.1 WWL (WPJB), "The Libs," /

SD Mitchell "90.7 KCTJ

SD Watertown "91.9 KLFJ

TN Jamestown 103.1 WCLC-FM

September, 1985

Format/Network Changes

AL Gadsden WSGN "81.5 (as was the case with the former WSGN-810 Birmingham)
AK Anchorage KKGK 100.5 ip
AK Kodak KJZJ 101.1, stereo
AK St Paul KUMB "81.3 (Nat. Public Radio — music format varied; not sure if stereo)
AK Wallia KNBZ 99.7 k, N, \$, heard by tropo in Kodiak by our reporter
AR Hampton KKQZ 107.1 (glowpl) two M.
AR Pine Bluff KADL 94.7 A (ABC-Direction)/
CA Los Angeles KIQQ 100.3 m, "Lis-100"
(Former 41) [mono]
CA Ridgecrest KFIO 104.9 m, "Nostalgia," / CA San Bernardino KVCY 98.9 soul, not p? One reporter said it is "urban contemporary,"

WFAR

93.3 FM

/ DANBURY COMMUNITY RADIO, INC.
76 LIBERTY ST., DANBURY, CT 06810

FL Fort Lauderdale WJLY (not WJTY, as given MI Lansing WITL-FM 100.7 [Apple, rock
in June] 106.7 m (not m)
FL Tampa WIO 100.7 r "adult contemporary" MN Braintree KLI-Z FM 107.5 Z-107 (hits)
and news; still "T-95") MS Oxford WWMG 97.5 Nine-88 (strict, still k)
IL Chariton WEIU "88.9 p, Stereo MO St. Louis KYK 91.1 Y-100 (not KY-98)
IL Elmwood Park-Chicago WKCG 105.9 m
IL Rockford WZKX 97.7, r not p
IL Skokie WCL 101.9 m, "102 Clear"
IN Bloomington WTTZ 92.3 m
IN Indianapolis WTP 107.9 m, Stereo [97/
98] NY Glens Falls WGF 92.1 95.2 Rock (not strict)
IN South Bend WNSL 101.5 m, "FM NY Middletown WKGL 92.7 Rock 92-7
IN South Bend WNSL 101.5 m, "FM NY Hudson Falls WENL 101.7 We-N-U, now r
IN Shelbyville-Indianapolis WENS 97.1 m, "FM NY Middletown WKGL 92.7 Rock 92-7
IN South Bend WNSL 101.5 m, "FM NY Hudson Falls WENL 101.7 We-N-U, now r
IL Maurice KFXZ 106.3 s, on air, "Foxy 106," dual city with Lafayette
MA Brookline WBOS 92.8 k, "trust me... report their playlists as country and... the owner would be unlikely to mess with a format that's been steadily increasing in listeners" MI Detroit WLT 93.1 m (not m)
MI Hibbing WTBX 93.9 N network (ABC-D)
MN Minneapolis KBFM "88.5 jazz
MN Rochester KRCM 106.9 m, adds t+x data 92 kHz, as well as frequency shift 67 kHz data SCA
MS Columbus WMCB 103.1 k [rock]
NJ Easton WHTG-FM 106.3 p (progressive/
NJ Trenton WKKW 101.5 r (oldies from the '50s-'60s with current hits)
NY Elmira WLEZ 92.7 D, ABC-D that is, NY Newburgh WGNY-FM 103.1 r (automated top 40 and oldies) still monaural.
NY Onondaga WMC 106.3 m (with variety), NC Lumberton WKML 95.7 k, dual city ID with Fayetteville
OH Defiance WD FM 98.1 rock, Stereo
OR Klamath Falls KJSH 92.5 m not b (based on a reporter hearing a Carpenter's song via skip; but see Nick Lombardi's comment later)
PA Harrisburg WNNK 104.1 r "Wink 104"
PA Hollidaysburg WHPA 104.9 Satellis Net, no NBC
PA Mechanicsburg WTPA 93.5 ip (WNNK and WTPA switched formats)
PA Mercer WKTX 96.7 gospel]

September, 1985

FCC-FM

KY Versailles WJMM 106.3 adds Lexington KHFI 98.3, still K-98
TX Plainview "90.7 KOTD
UT Kanab 101.1 KCKK (KKHK)
UT Price 100.9 KPRD
VA Crozer 102.3 WJLT (WPEP-FM)
WA Longview "88.5 KJHV
WA Walla Walla 95.7 KNLT (KUJ-FM)
WI Tomahawk 92.7 WJOC-FM (WRJO)
WY Casper "90.3 KWHC

TX Austin KLB-FM 93.7 p

KHF 98.3, still K-98

TX Conroe KAND-FM 107.8 rock

TX Seabrook KYND 92.1 m (not m)

UT Salt Lake City KRCI "90.9 pk (progressive rock and country music)

WI Milwaukee WLTC 97.3 fm

WYMYX 93.1 fm

WI ULM 102.1 soul and rock

AT Edmonton CJAX 92.5 m

Slogans/NonIDs in Use

CA Foster KTED 96.7 Stereo Love 97 and K-Ted

CA Los Altos KZLZ 97.7 Classy

CA Roseville KPOP 93.5 K-Pop (x-Hitradio)

CA Sacramento KXPR "80.9 FM-91

FL Coral Gables WHOT 105.1 Hot 105

FL Fort Lauderdale WSH 101.3 103-SH

FL Miami WEDR 98.1 Star Force 99

FL Stuart WRIT 92.7 FM-93

FL Tampa WFLA-FM 93.3 m, nonID

GA Atlanta WSB-FM 98.5 WSB-98FM

WRMM 99.7 Warm-99 (see Larry Fuss'

comments about these two stations, below)

IL Arlington Heights WSEK 92.7 "New 92," m

IL Chicago WLW 97.8 98.7 Hit Line

WMET 95.5 m nonID; m

IL Highland Park-Chicago (dual city) WVX

103.1, RPM (short for "Real Precious Metal," used

evening when p, mono)

IN Greenwood-Indianapolis WZPL 98.5 ind/y

IN Indianapolis WNAQ 93.1 83-NAP

IN Lake Charles KHLA 99.5 LA-95, m

IL Chicago WEEZ 91.1 192 kHz data (7 kHz

has farm news in clear voice with no background data)

MN Mankato KEEZ 98.1 192 kHz X data

KRC-FM 106.3 1X 92 kHz; frequency shift

data on 67 kHz

NJ Newark WHTZ 100.3 1E (Chinese; either back

to, or always was; perhaps not on all the time.)

NC Charlotte WEZC 104.7 tone 92.8 kHz (M7)

NC Edin WWW 94.5 k (main channel), TX 67 kHz

NC Redwood WWMQ 102.1 92 kHz test tone (87

kHz music)

NC Stateville WFMX 105.7 1T (news feed)

NC Winston-Salem WSEZ 93.1 1X , data, 67 kHz

WTOR 104.1 "TX" (stuttering sound;

probably low-frequency telemetry)

WKZL 107.5 tx telemetry

TX Houston KPFT "90.1 TX" ("All Pacifica stations

are getting this"; probably Datapack, frequency

shifting data)

WI Webster-Bayfield WWA 105.9 no SCA, no

node D on main channel

WI Milwaukee WVCY 107.7 back to music, 67

kHz; their newly-acquired co-owned station,

WVCA 98.9 Tom and Jerry 92.8 B-87, fm this

NY Albany WHRL 103.1 WFM Stereo 100

NY Auburn WOWN "88.8 Win-89

NY Glens Falls WGF 92.1 95.2 Rock (not strict)

NY Hudson Falls WENL 101.7 We-N-U, now r

NY Hudson Falls WENL 101.7 We-N-U, now r

IL Chicago WKT 103.1 T-103, k, stereo

WI De Pere WJLW 95.9 J-56, k, Stereo

WI Middleton-Madison WGM 106.3 O-Country-

106 (not strict)

Multi-City Identifications in Use

CA Visalia KFSO 92.9 adds Fresno, still rock

IN Aurora WSCH 93.3 adds Lawrenceburg Rising Sun, still monophonic

IN Bedford WBIF 106.5 with Bloomberg at times; with Mitchell at other times; "105"

IN Franklin WGAQ 95.9 adds Indianapolis

IN Notre Dame WSDN "88.9 adds South Bend

VA Pound WDXC 102.3 "FM-102"

ME Eliot Elsworth WWMJ 98.7 r, no NON - ID

WI Holmen WTCR 105.5 "FM-105.5

K-106 (strict), 24 hours, no SCA

Not in stereo—remove \$ listing

NY Loudonville WVCR "88.3

**Means stereo status inferred from FCC news

release showing a station has a two-frequency

studio to transmitter link. Other stereo and for-

mat data this month from talking to people at

conventions of the National Federation of

Community Broadcasters and the Association of

North American Radio Clubs.

Deletion.

OH Bayview "91.7; application dismissed

FM Mistakes, 9th Ed. FM ATLAS

Omitted from 106.3, p. 141:

BC Pritchard CFFM-7 "118.5" 61 watts, DA

ON Peterborough CJBC-6 5500 v

ON Sarnia CBEG 376 "5000 v

Comments on the June VUD column from Pete Nolan: I have real trouble with

the classification of Transtar's Format 41 (WJQY, KYND, etc.) as "nr" by your sys-

tem. KYND markets it as easy listening, and in truth it's much closer to that than it is

to rock. Even traditional easy listening/beautiful music stations have in the last few

years begun adding original soft rock vocals (e.g., Neil Diamond, Glen Campbell) to

their mix, especially in morning and afternoon dayparts; the distinction between these

stations and Format 41 is pretty narrow. [Petre, I agree with you, and am calling all

Format 41 stations I know about simply "m."]. Petty corrections dept.: KROK-FM was 94.5, now KWKH-FM. You confused it with KVKE 96.5, which used to be gospel

KEPT. I'm not sure I understand Mike Dorner's comments on KCIL-FM. I was told

when visiting the station two years ago that they had just gotten approval to move to

107.5, though I think they just meant they got the allocation change approved as the

actual move was only approved earlier this year. But their idea of moving was hardly

recent. Also, KTOQ 100.9 Sulphur LA is hardly a "rim-shotter" in Lake Charles; the

transmitter is less than ten miles away, and less than five miles from KHLA 99.5 and other

locals. It is, yes, unusual for a Class A to be in town, but they unquestionably are; one of the main reasons is that they have far and away the best news

department in town. In fact, the station last year for over \$1 million—pretty good return for a Class A facility, and an indication of how solidly entrenched in the market they are.

My information is that WKRB Brooklyn "90.9 will not ever make the move to

103.1. Ever, ever, ever. By the way, thanks for the RadioPhiles plug in June... I in

fact often overstate my own views just for the sake of making it [the "Evolution" col-

umn] entertaining and enjoyable—and I can inform people a lot better when they're

reading the column than when they're not reading it! And, the I know it was a lot of

work on your part, I thought that your June VUD column was excellent! It's nice to

see all that support.

Classical and jazz music are swapping places on Charlotte's WFAE, with c in the

mornings and j evenings. The station now signs on 5 a.m. (90.7). Station manager

Jennifer Roth said the station will be on the air 24 hours "somewhat, and would likely

fill the late-night and early morning hours with jazz. But don't expect WFAE to ever

completely part with classical music. Because we're a public radio station, I think we

would always be committed to a substantial amount of classical programming." This

from Edward Warner, Franklin NC, in a newspaper clipping he sent.

In Georgia, WKHZ 101.5 Marietta, owned by Capital Cities Communications

(the outfit that bought ABC) "has purchased WPLO 590, 5 kw, the veteran country

station in Atlanta. WPLO can be reached now by dialing the WKHZ telephone

number. An employee said they had no plans for duplicate programming. WVEE

103.3 Atlanta, the sister FM of WPLO until WPLO sold has purchased another AM

affiliate, WAOA 1380, 5 kw, Atlanta. They both feature black programming.

According to a recent issue of Bible Broadcasting Network's monthly newsletter, WYFB Gainesville FL "90.5 100 kw should be on the air now. They also have some ex-

tensive changes planned for their FM properties in North Carolina and Virginia. I am

still delighted with the FM Adas and VHF-UHF Digest. It's too bad I didn't learn about

the publications before I became an old man. Hope you make your move to Minne-

sota without too much hassle. My experience with moving does not rank among my

fondest memories," writes Kermit Reid. "We have moved into a lovely home 14 mi.

WSW of Duluth near Esko MN, but living just on earnest money. I'll tell more about

it when the deal goes through. So far, we are very pleased with how things worked

out." Nick Lombardi, also in Georgia: Recently I've noticed a tendency for certain b

format stations to slip in an occasional m-sounding selection. This does not change the

fact that they are beautiful music/easy listening stations, but it does mean that pro-

nouncements about a station's format based on a few seconds of Eskip reception can

sometimes be erroneous. In this regard, make sure you still show both WSPA-FM 98.9

Spartanburg SC and WZK 101.9 Gastonia NC as b.

I am glad to learn that YOU will be the one to decide which category SCA data

belongs in, but I do wonder how to sample every single one in the

entire country. A way to insure clarity with your proposed two or three column listing

is to adopt a "+" or "-" scheme as follows. Stations with just a 67 kHz

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to be listed as ++++. But in order to work properly, you would probably need to use fixed (as opposed to proportional) spacing in your station directories. There are no doubt other ways to accomplish what I have suggested above, and it will be interesting to see what type of format you eventually come up with. I received two other comments to my proposed SCS data categories—both negative. Veteran SCA listener John Ebeling says "I don't know about the proposed SCS data categories—I think it's hard, if not impossible, to distinguish between +U, X, Y and Z as outlined. I know I could never tell the difference, let alone report it properly!" Another reader who does not want his name used says DXing should be fun, and he has known of hobbies that have killed themselves by having people get too picky with details. I tend to agree with most of this criticism, and it would save me work, too, if I at least simplified my proposal. My thinking now is to have only three data categories: X (as now, for the majority of data), Y for pure tones or telemetry (distinguished by low frequency humminig or a whirring tone repeated every 1-2 seconds, or a chirping sound), and Z, frequency shift data (soundings like a machine gun). These changes probably will not come into effect for the 10th edition "FM Atlas," as I have a massive project just getting the existing data into shape for key-punching. Your continued input on this subject will be appreciated.

Reader Mike Agner sent an article on how Indesys, Inc. plans to use SCA nationally to transmit messages to personal computers. It says customers "are assigned a unique address, and their receiving equipment collects only those messages addressed to it," with only the receiver addressed able to decode the messages. ABC-FM stations are expected initially to have this form of data (most likely to be coded "X," not "Z"). WPLJ, KLOS, WLS-FM, KTKS and KOME. Indesys is located at 2425 Garcia Ave., Mountain View CA 94043.

From Alaska, Rod O'Connor says Naknek's KTTH 100.9 is not yet on the air and the "M Street Journal," published by Pete Nolan [PO Box 540381, Houston TX 77254—write for special DXers' subscription rates], has in it that KTTH is requesting an extension for its construction permit. "It may be a repeater for KDLG 670, as is KUHB St. Paul [91.9] AK. KJZ 101.1 Kodiak transmits from a "poor location, the same tower as the KVOK-560 AM tower. Although the listing shows as 56' in your May '85 column, it shows how inaccurate HAAT figures are in mountainous areas. Actually, the antenna is about 150' above ground. Two reasons for lousy coverage. First, the surrounding mountains block the signal around town and out to the Coast Guard base, and secondly, for 4300 watts, I personally would use more than just a 2 bay antenna. In comparison, KMXT 100.1 with only 3000 watts, with a 3 bay Jampro antenna centrally located in the city puts out a far better signal. [Your listing has them as only 3' HAAT, although we are on a 50-foot tower, atop a 150-foot hill, but still shadowed by a 1300' mountain to the north.] That's why I personally do not put much faith in HAAT here in Alaska or other mountainous areas, while over most of the rest of the nation it is an accurate indicator. . . The Alaskan Forces Radio Network has two networks. Their mostly AM network has only 1 FM outlet so far. Shemny 90.5. The present AM outlet on 960 here at Kodiak Coast Guard Base (50 watts) is to be replaced with FM but timetable has been moved from this summer to sometime later this year. I have included two schedules of their networks, which should be of interest to you. A real top-notch outfit, and most impressive. The FM network is all Harris automation and state-of-the-art. Something to drool over. The AM network is live and tape assist. KENY 101.7 Soldotna-Kenai still using those calls, as it is a satellite of KGTL-FM Homer. Not yet using KPEN calls. I believe KJBA 100.1 is on the air, although I haven't been to Bethel, I did see an ad for a statewide program which was to be broadcast over KJBA.

"KIOQ 100.3, one of the four hard-core top 40 rockers in the Los Angeles market, officially died," says an article sent by W. R. McIntosh. "The call letters remain the same for the time being, according to new general manager Tom Mosher. . . We're still KIOQ, but the format we're now referring to as 'Lite 100,' Mosher said. That leaves the Top 40 market in Los Angeles to teeny-bopper KKHF-FM (93.1) and the more adult-oriented Top 40 KIIS-FM (102.7) and KMGC-FM (105.9).

The ax fell after several years of listener ratings that declined as steadily as they were climbing at KIIS-FM. In the most recent quarterly Arbitron Ratings, KIOQ had dropped from 15th to 25th in Los Angeles, with only a 1.5% share of the L.A. listening market. Asked if the dismal ratings had any bearing on the decision to change formats, Mosher said: "Well, let's say that if we had a 10 share in the Arbitron, we wouldn't

FCC—FM

have changed." On the opposite coast, Richard Steinberger sent a clipping on a slogan war that is affecting Boston's WMJX 106.7, using the phrase "Soft Rock—Less Talk," while WLYT 92.5 Haverhill has a phrase (not necessarily its non-ID) "Lite Rock—Less Talk." The case is scheduled for court, with Michael Berg of the NAB in Washington quoted as saying the dispute could prove important in the highly competitive adult contemporary field, where formats and methods for attracting listeners are similar. "There is increased competition in the marketplace, not just from other stations, but from home video and things of that nature," he claimed, "and the FCC is playing less of a role, moving toward deregulation."

Richard E. Wood, Ph.D.
P.O. Box 5074
Hilo, Hawaii 96720
U.S.A.

—sent word that KFSH 97.9 Hills was to have come on the air Aug. 3, after several years of holding a construction permit. It is Billy Graham-affiliated, and has "magnificent hand-crafted studio cabinet work." Richard sent word that an application for 99.1 had been filed at Waimea HI by one Karen Gross. It is an upper-class mountain community of 4,000 with prep schools and the fastest-growing community in the U. S. in the 1970s (Kailua-Kona area). "Station should be a commercial success in areas where Honolulu and Maui stations don't penetrate." A final article he sent concerns a bride and groom getting married on the air over WPDH 101.5 Poughkeepsie NY. After the ceremony the station reportedly was flooded with callers wondering if that was for real, and it was!

Jim Fizzi sent an article about an FM station, KCBI-FM Dallas, which has embraced shortwave, much as WRNO-FM New Orleans has. KCBI shortwave was to have begun as of now, beamed to Europe with Christian programs, with later broadcasts to South America. No frequencies were given.

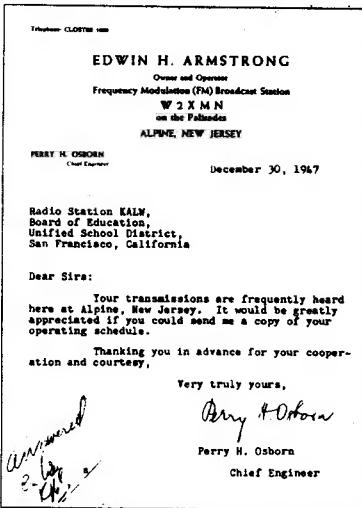
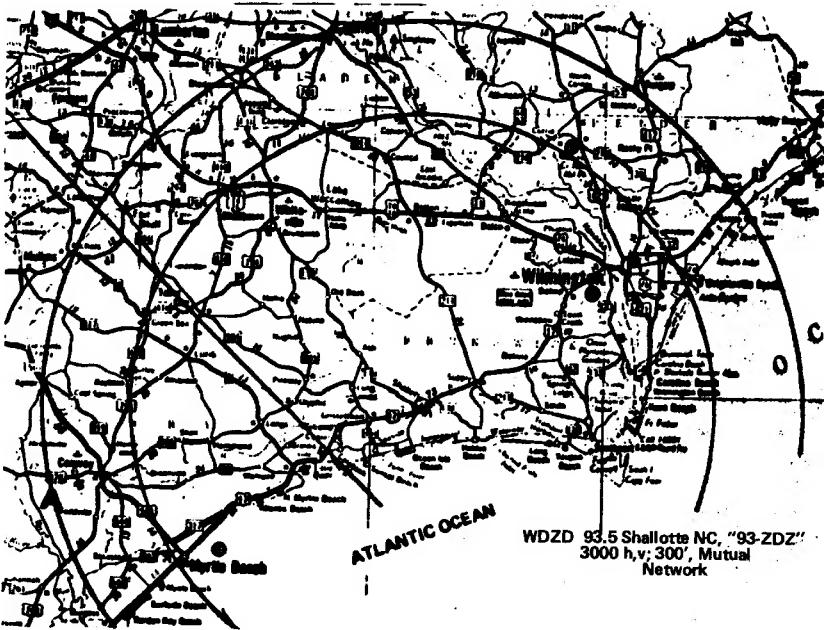
Ralph Strobel has seen the first published information in his local paper on the new 104.9 Muncie station, getting local zoning approval for a 360' tower. He sent a logo for WDZD 93.5 Shallotte NC, which I intended to use earlier this column when I mentioned that station, and a coverage map which may appear elsewhere.

A most unusual commercially-licensed FM station is 103.1 WIOE Huntington IN. Says Michael Roskin. "They play rock like top 40, rock and progressive rock. The thing about this unique station is that there are NO commercials EVER, or news or weather. Just music and a station identification every now and then. My sources tell me the reason is because WMEE 97.3 Fort Wayne had more listeners than WOWO (AM), so WOWO decided to make a new station to compete with WMEE for the sole purpose of lowering its ratings: 103 WIOE Commercial free. It makes no profit; it simply keeps WMEE's ratings down." I have not checked to see if WIOE and WOWO share ownership, but if this report is true, it is a very unique

"SCA is neat, and it's coming more and more into view as a potential money-making device for otherwise-hard-put FM stations," is the way a plug David Newkirk started in his publication "Enjoying Radio." The article also says: "Well, to make a long story short, Bruce Elving, perhaps the first FM DXer to log 1,000 different FM stations from one location, set up a business manufacturing and selling SCA adapters and adapter kits, as well as carrying radios pre-modified with said SCA devices. The only reason I don't have an up-to-date copy of the Atlas is that I'm such a stick-in-the-mud that I don't listen to much FM relative to shortwave. I do, however, have a couple of Bruce's least-expensive SCA adapter boards. No one else is as into FM as Bruce. The Atlas itself is a . . . but if you're already an FMDX/travelsinet, you likely already have a copy. And what are you hearing on SCA? Do you listen to FM via meteor scatter? Tropo? Eskip worth it where you live? . . . The above sent by Paul Hancock, who was inspired to buy two of my kits. The Elf SCA adapter "really works great compared to Elf-II in the G-E Superadio" comments Jay Mathisrud. Elving Science is close to a breakthrough whereby I expect to have a 92 kHz version of the Elf-I adapter. Watch for it in our new catalog or in our newsletter.

And speaking of newsletters, much of the format info in this column comes from Pete Nolan's "M Street Journal," noted earlier in this column.

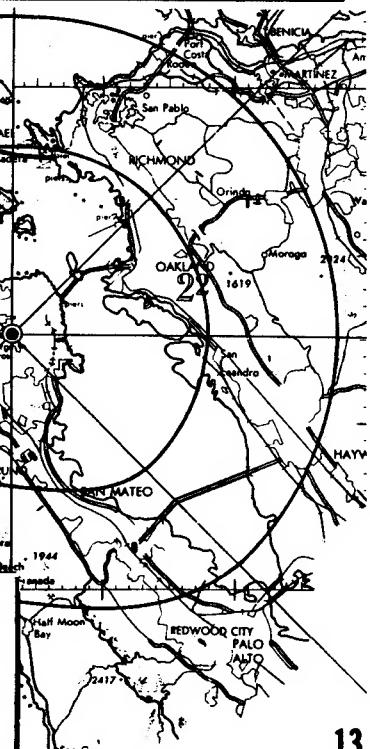
Both the public broadcasting paper "Current" and the magazine "Religious Broadcasting" had articles addressing the FCC's policy on religious use of public radio and TV



Major Edwin Howard Armstrong was the developer of Frequency Modulation (FM). W2XMN was the first full-scale experimental FM station broadcasting regularly.



KALW
2905 21ST STREET
SAN FRANCISCO,
CALIFORNIA 94110
(415) 648-5706



channels. The immediate case was an application by Way of the Cross, Inc. for a reserved TV channel (article does not say which one; probably Bill Fahber knows). The FCC sidestepped ruling on the merits of the religious issues, and instead found the other applicant more qualified because of having more local people on its board. Article goes on: "On the FM side, stations in the reserved band are allowed to describe their format as principally 'religious'--though some stations which are principally religious choose to describe their formats as 'educational'." The article noted some 170 ed-FM stations are primarily religious, about 40% of which have been licensed since 1980.

"Other companies, such as Family Stations, Inc., clone applications in their own name for large numbers of available frequencies. Family presently has some 50 applications for educational FM channels pending (out of more than 150 pending applications for all types of broadcasting frequencies). . . . Family originally planned to license 'hundreds of translators' and feed them by satellite, but FCC rules forbid that arrangement. Then. . . . Family began applying for 100-watt (and higher-ed.) stations which could be fed by satellite and could be used to feed translators in turn. . . . A rulemaking to limit the number of reserved channels that can be granted to a single licensee has been pending before the FCC since 1978, with no action taken." The Religious broadcasting magazine points out that the FCC is deregulating things, and increasing the number of radio stations a single owner (or married owner, for that matter) can have, and that it is unlikely that ownership restrictions in educational FM would have much chance.

In a commission challenge to the renewal application of WAZZ-FM *99.1 Zarephath NJ, the FCC found Pillar of Fire qualified to operate WAZZ-FM, even though very little local programming, such as news, was aired. Nationally-syndicated programs and public service announcements were found to be adequate for meeting local needs.

I am switching to this elite Smith-Corona typewriter because of what a reader said who struggled through my July column. An optometrist now has a copy of that column as a severe test of difficult reading material. With four typewriters in the house, I should have one that should produce good VUD copy.

A reader sent a copy of an article in the Sept., 1985 "Stereo Review" concerning the FMX device that is said to allow full FM stereo reception out to the mono distance for a station. FMX circuits would add just a few dollars to the cost of a radio, and the broadcast equipment would also be inexpensive. The article does not say if the system would be compatible with existing stereo decoders in radios. On p. 4 of my 9th edition is mentioned a "RJZ 620 Knoxville TN leaving the air. According to a newsletter

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Kermit Reid received from the Radio Bible Class, Grand Rapids MI, WRJZ 620 is mentioned as carrying the program. Perhaps they are on the air again, muses Kermit.

The Capital Cities-ABC merger is resulting in the sales of the first radio stations. Los Angeles' KZLA FM and KLAC AM are going for \$43, and KSRA Houston for \$32.5 million to Kalrite Broadcasting. The article sent quoted KIIS general manager Wallace Clark as saying KIIS-FM, the top-rated station in Los Angeles, would command "Well over \$100 million" if it were for sale.

From Oklahoma, it is reported that KCNA Owasso's 93.5 translator is operational in central Tulsa. KUGS *99.5 will soon be 50 kw, 1065, transmitter Cowetta OK. KGKX *91.3 Claremore OK now 2200 watts at 365'.

Canada's Steve Tuura thinks CJQR FM 97.7 will get to keep its protected allocation, and that Toronto's 97.3 will be assigned farther inland, such as to Richmond Hill, where CFCM could get it as a religious station. "I hear that Peterborough's CBBP on 103.9, which gives trouble to Rochester's WDKX, will be assigned 103.7. . . . WCKK in Erie will not allow 103.7 in Toronto. . . . The CKRT (94.9 Oshawa) CN tower proposal was turned down due to objections from CKDS 95.3 Hamilton. . . . It is hard to keep track of the CRTC because it changes its mind until the final decision is made."

Jim Korn sent some CA format information, and an interesting copy of a KALW *91.7 San Francisco coverage map and a copy of a 1947 letter from WXXN Alpine NJ, Edwin H. Armstrong's station. The letter reported frequent reception of KALW in NJ and requesting a program schedule. This must have been on the old FM band, as KALW literature indicates it operated in the 42-50 mHz range until 1950, probably running dual frequencies 1947-1950. He also sent an interesting brochure on the FM and TV translators in China Lake-Ridgecrest and Inyokern CA. The FM translators all transmit vertically-only. They are located on Laurel Mountain to the south. Jim says he may not be attending any radio club conventions for a while, as he is saving money for a possible overseas vacation next year.

Changes in the works at WRTN 93.5 New Rochelle NY? Bill Nienajadlo has heard heavy metal after midnight some nights and Spanish programming some afternoons! Bob Baker reports that, on a recent trip, he did not hear K240BJ *97.7, an NFR translator in Fairmont, but I think that is a new one and it has not started broadcasting. A guide he sent, published by Minnesota Public Radio, rather modestly describes NFR as "the best public radio system in the nation."

An article Rod Conner sent said some opponents of new Christian FM station are criticizing its call letters--WGOD (see p. 14 March 1985 VUD), Wasilla AK. They charge the station is trying to commercial-

†FCC-FM

ize God. In another call-letters issue, KFRZ-FM 106.9 Brigham City UT has had its previous grant of calls KSEX set aside. No indication if this results from local pressure to the FCC from KFRZ-FM's predominantly Mormon constituency.

Dave Nieman sends information on the Buffalo area, with an article on Buffalo's radio ratings. Seems a lot of people are tuning out of Buffalo radio altogether, with many teens especially favoring CILQ 107.1 out of Canada, with dissatisfaction with the state of album rock in Buffalo, with WGR-FM mellowing from its former incarnation as WGRQ.

The "sickie" translator of KDNW *90.5 Duluth MN (VUD, June 1985, p. 9) seemed that way to John Ebeling, who was driving sideways to its beam, which is horizontal only from point 3 miles west, aimed at the city. "Both receive and transmit are located on top of Harvestor silos," comments manager Paul Harkness, who verified my 32-mile reception of the one-watter at *88.5 off to the side of its beam. He expects K218AR 91.5, 1 w, Ashland WI to be on by Oct. 1, and the new K220BI 91.9 to be on Dec. 1, Grand Marais MN.

Another station verifying for me was KRPR *89.9 Rochester MN. Right after I heard them, in late July, they left the air, and "will not be in operation again until Sept. 5 when our school year begins again." Those of you into high fidelity may want to tune in the show done by a former graduate-school friend of mine, John Sunier in Kentfield CA. It is "Audophile Audition" carried over NPR at 2 p. m. eastern time Sundays. It includes compact discs, direct discs, 45 rpm 12-inch discs, audiophile tapes and special programs on binaural sound, as well as other subjects. Some 100 stations are said to carry the program, now in its sixth month.

"FM sets in buses will furnish riders in Scranton and Wilkes-Barre PA with music and news from station WIZZ. Installation of the receivers has already been started. The arrangement is a commercial tieup between the station and the bus company," from Radio-Craft, July, 1948, and sent by John Ebeling.

Former WITFPA chief editor Clarke Ingram writes from Mesa AZ, where he is assistant program director of KZZP-FM 104.7, saying he stopped by Kearney and tried to call us when we were on a MN house-hunting trip in early June. His home phone number is (602) 926-8570, and AZ maintains Mountain Standard Time the entire year.

WCTS *100.3 Minneapolis, which once claimed that Satan was causing interference with its signals when several stations went to the downtown IDS Tower, now has been denied use of a lake property north of town to build its tower. The court has ruled the Dept. of Natural Resources can stop the station from using the lake to build a radio tower. The tower would replace a 460' one that fell during a 1980 storm. Since then the station has used a 130' antenna at the seminary in north Minneapolis. I find KLYF comes through the WCTS signal quite often, now that WCTS has such a poor signal; KLYF is in Des Moines IA.

Sunngroup, Inc., in TN reported a profit for the first half of 1985 (with losses each year 1980 through 1984). The profit resulted from the sale of WYHY Lebanon-Nashville TN and WSEV (AM) and WMYU (FM) Sevierville-Knoxville TN. It operates WERC (AM) and WKXX (FM) Birmingham AL and is looking for more radio stations to acquire.

7 am-noon ELT daily, originating out of WGBH *89.7 Boston MA. "I heard it on Vermont Public Radio and WAMC Albany NY, 90.3," and he heard it is also on Maine Public Radio. "Taking note of Ernie Cooper's and Nick Lombardi's comments which appeared above mine in the June '85 VUD, combine the two and you have a good idea which I would certainly endorse: put the formats in the by-frequency column and networks (along with SCA) in the by-state column, with neither appearing in the other column. Is that possible? [I see no advantage in merely transposing data from one sec-

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W.R. McIntosh has not had much time for DX or to play with SCA, as he now is playing with a new VCR. It's "fun." On his coat of arms, those are mountain cats, not lions. And I hear where we moved, in northern MN, are cougars or mountain lions!



THE MACKINTOSH

Larry Fuss sent three letters, so I'll summarize: In Camden AR the permittee of the new translator is not either of the two applicants for a new station on 237A. One of the applicants is Y95 radio (a client of mine) and the other is a guy who owns KLNU-AM-FM in Haynesville LA. When 237A cranks up, the translator goes bye-bye! . . . I noted your comments on "I don't know why WSB-FM is griping" and just had to respond. Since I work fulltime for WSB-FM, I am biased, but I can tell you why WSB is upset. Three years ago when WSB-FM "The Great 98" dropped their elevator music format and went A/C, they adopted the "99FM" slogan (the station is located at 98.5). At that time, WRMM was WLTA, and were calling themselves FM-100 (they're on 99.7). They later switched to WRMM, "Warm 100." Within the last year they decided they better do something about their sagging ratings, so they started calling themselves WARM 99.7. At about the same time, they started making a lot of references to "digital radios" and to the fact that they were playing "digital compact discs". . . . With the entry of WFOX into the Atlanta marketplace, WSB-FM finally decided to spend some big bucks on promotions. For the Spring Arbitron survey, we gave away 10 Pontiac Fiers and distributed 1.3 million "WSB-99FM" bumper stickers throughout the metro area. WRMM figured "get whiz, if we change our slogan to 99 we'll get half credit for any listener who writes down 99FM in their diary." A very sleazy way to improve your ratings. WSB was using "99FM" almost exclusively up to that point, but has since been using the call-letters too (WSB-99FM) in an attempt to eliminate some of the confusion that Luke-Warm has caused in the marketplace. Yes, they are 99.7, but what they have done is sleazy and underhanded, not to mention stupid. They spent hundreds of thousands of dollars building themselves up as "WARM 100." Changing their identity to 99.7 and now to 99 is idiotic on their part. Their radio station is dull, boring and lifeless. All they do is take up a spot on the dial. It's a shame, too, because they have the best FM signal in Atlanta (they're on WTBS' tower), but they don't know how to use it.

Larry then comments on the June VUD. I, too, noticed the "Audio" magazine pictures of "FM antennas" and sent them a letter telling them that what they were picturing was not FM, but microwave antennas. I've been watching for a correction, but I doubt that we'll see one. . . . In the August '85 "Formats/Networks," you list WGRC in Greensboro GA as soul. I listened to them for about an hour as I was driving to work yesterday morning and it was definitely adult contemporary. Perhaps they are soul at night, as a lot of the small-town Class As around here seem to be. They were also using a strict "G-104" non-ID. [Let's paint them as for now-b.e.]

Format: KTKL 106.9 Casper WY will be [gospel] Richard E. Berg-Anderson sent format information from the Adirondack area where he vacationed, but was disappointed by the regular reception there and the DX, due to the influence of the mountains and from cable leakages. He says many New England NFR stations pass up "Morning Edition" in favor of "Morning Pro Musica," a classical music program hosted by Robert J. Lurtsema,

tion of the book to another—ed.] . . . I still think networks are important to include. Maybe I'm the only one who does this, but I tune in Armed Forces Radio on shortwave on a semi-regular basis and am familiar with most of the network correspondents in the 'hot news spots' of the world. If I hear a network correspondent on a local newscast while DXing it helps to know which stations carry that network, even though admittedly FM is less network-oriented than AM."

(Contributors to be listed next month)

EASTERN TV-DX

September 1985

Rich Wertman: 315 Pine St., Lockport NY 14094 EDT

Equipment used: Hy-Gain HG-52 SS tower, HD-73 rotor. P-7 UHF dish at 65' with CP-4800 amp, stacked #1473 hi-band Ch. yagis at 57' with Archer #151124 amp, stacked #1126 ten element low-band yagis at 54' with AC-9260 amp. All above fed by .500 hard line, except for last 60' on the tower which is RG-11U. Also Finco P-7 with CP-4800 on 15 ft. tripod at 60' on house fed with RG-11U, with CM rotor. Zenith ET120Y 12" b&w, SL-2300 Sony VCR, Samsung 12" b&w, Pan-asonic 19" color; #7206 Hi-Q trap for UHF, DA-8150 indoor amp. (when locals off).

Well, as most can tell, I've got my tower up. I've never been so pleased as now about any installation I've ever done. As I write this letter I'm watching intense Es on ch.2 & 3. This installation was quite a challenge but everything worked out fantastic. however I'm finding out that low bands work better at 20-25' for Es. This helps keep local splatter to a minimum. I'm checking into a 20' Rohn tower for installation of these. It really gets to be a pain when you have to change the tower height all the time. I like keeping it at 50' for traps. I got everything working May 12th and noticed tons of Es but couldn't I.D. anything. I never watched much Es before this installation. I think stacking the low bands horizontally really helped. Now I can kill channel 2 in Buffalo 20 miles away and watch Es right over them and ch.4 also 20 mi. away. I've seen Es right up to ch.6. I think anyone using a log periodic VHF or VHF-UHF in a crowded low band area (locally) should go to this method or they'll probably never see Es. When I had a log periodic up for VHF I only watched one Es opening. Now I've watched it almost every day since June 1st. Not all was recorded because of bad timing for me. Will have photos in Photo News of new installation and hope fully some good Es if they come out.

May 1985	May 1985	June 1985
13 Es 1830 KBTX-3 TX	27 Es 1430 KBME-3 ND	6 Tr 2350 Detroit U's, good
14 Tr 1900 WPXI-11 PA	1435 WCCO-4 MN	WLAO-49 OH
WQED-13 PA	1502 KPRV-4 SD	WJEQ-45 OH
Es 1930 CKCK-2 SA 1300	1600 KOTA-3 SD	2355 WFMJ-21 OH
23 Es 1210 KSNW-3 KS	1930 WEAR-3 FL	2359 WJKW-8 OH
1215 WEDU-3 FL 1000		7 Es 1200 KJRH-2 OK
1230 unid-3; Muppets June 1985		1700 ch.4 Newfoundland
in Spanish	1 Es 1930 WBRZ-2 LA	NTV
1240 unid-4; thru local	1945 KATC-3 LA	ch.6 " "
1245 unid-3; Let's Make		ch.2 " French
a Deal	2 Es WEAR-3 1800 FL	1850 KSNW-3 KS
26 Es 2000 KSNW-3 KS	6 Tr 2300 Erie U's	KSNC-2 KS
WBRZ-2 LA	excellent	1855 unid Nfld & Labrador, CBC.
KJRH-2 OK	Akron, Yo-	9 Tr 0015 WSMH-66 MI
27 Es 1200 KGFE-2 ND	ngstown U's	Flint-Saginaw-Bay City
1231 KOET-3 OK	2310 W65AJ(WXXI)	K66BV
1330 KKJB-4 ND	W62AS "	Detroit(SIN)
1400 KGNC-4 CO	2320 WOAC-67 OH	19 Es 0945 KOTA-3 SD
1410 KDLR-3 MN	2345 WCL-61 OH	KLNE-3 NE
1420 KDLO-3 SD	WUAB-43 OH	20 Tr ---- WCGN-52 OH

A lots of usual traps seen also but too many to re-list. Intense month of Es kept me pretty busy. I also tried the PA-4975 amp on my tower but found it to have too much gain and too little input for my area, even with a #7206 Hi-Q trap. I hope the Es keep rolling in all summer. Traps haven't been as good as last summer but as long as there's Es to watch I'll be happy.

Robert S. Ross: VE3JFC Box 4373 Stn. C, London Ont. J5W 5J2

May 1985	June 1985	June 1985
26 Tr 0200 WOIO-19 OH	2 Es 2015 WPBT-2 FL	7 Es 1628 CJCB-4 NS
27 Es 1200 KNOP-2 NE	4 Tr 0624 WOAC-67 OH	CKCW-2 NB
1203 KCNC-4 CO	0633 WAHK-23 OH	1732 CJCN-4 NF
1225 KLSY-4 KS	0638 WYTV-33 OH	1900 KNOP-2 NE
1230 CEWF-3 MB	0642 WNLQ-45 OH	1902 KPRV-4 SD
1235 CNJQ-2 MB	WLAO-49 OH	1910 KDLQ-3 SD
1328 KKJB-4 ND	7 Es 1545 KPRC-2 TX	16 Es 1250 KWGN-2 CO
1350 KBME-3 ND	1602 KILL-3 TX	17 Es 1230 WFRZ-2 LA
KGFE-2 ND	1605 KSNC-2 KS	1250 CKJQ-2 MB
1457 KDLQ-3 SD	1628 CJCH-5 NS	1259 WLBT-3 MS

William J. Draep
Ellis St. R.R. #2
West Seneca NY
54216

Eastern TV-DX

June 1985

18 Tr 0135 WTOL-11 OH
0255 WDLI-17 OH
0340 CICO-12 ON
Es 1153 CBGAT-4 PL

Ross; continued---

June 1985

20 Es 1220 KTWO-2 WY
1243 KANR-4 TX
21 Es 1320 KPRC-2 TX
23 Tr 0340 WPCB-40 PA

June 1985

23 Tr 0350 WPSH-53 PA
Es 1320 KATC-3 LA
1400 KGFE-2 ND
2255 WML-4 LA

September 1985

Equipment: Toshiba 12" TV, UHF Flying Arrow ant., whip ant. for VHF.

Frank Wheeler: 6589 Wattsburg Rd., Erie PA 16509 EDT

June 1985

20 Es 1258 KNOP-2 NE 1066 2 Es 1100 KJRH-2 OK 943
22 Es 1000 WJLQ-2 AL 815
24 Es 1132 KNDK-2 ND 1169

July 1985

8 Es 1300 WBZ-2 FL 1095 9 Es 1100 CFFT-2 PQ 395
1 Es 1130 KOET-3 OK 1005
1208 KJRH-2 OK 943
2 Es 1058 KTVY-4 OK 1040

July 1985

1930 KHAS-5 NE 948
1958 KLINE-3 NE 1016
1702 KOTA-3 SD 1169 15 Es 1130 KTCA-2 MN 682
1900 KSNW-3 KS 953 Totals: 289 received -
1903 KSNC-2 KS 1015 215 verified.

Equipment: Sylvania 24" color TV. Archer VU-160 ant. Servo-Rotor.

Ed Frye: 317 Hooker Ave., Poughkeepsie NY 12603-3111 EDT

I'm pleased to report that my new deep fringe UHF system has been operating as of July 1. Regarding day to day viewing, my Winegard DS-9095 antenna and Channel Master 7477A Super Titan preamp are stellar performers. WCDC-19 at 75 miles and WMT-17 at 70 miles arrive with FAB grade 1 pictures. Swinging to the east, the same can be said of Connecticut's WTX-20 at 50 miles & WIIC-61 at 65 miles; along with WIT-30 which appears a little snowier, though. Even Kingston xltv W634M at 17 mi. checks in with a consistent Grade 2 signal. "Super local" WTB-54 (TL is visible from my QTH and just about everywhere in the Hudson Valley), however, substantially spills over into surrounding frequencies. I am hopeful a Channel Master 7206 High Q trap will resolve this problem. Further down the mast, installation of my system's Channel Master and Sitco narrowband yagis is being re-thought due to space limitations imposed by additional guy lines needed to better stabilize my 40 ft. telescoping Duratube mast.

By extending my 4th of July holiday into Monday, the 8th, I witnessed a sizeable Es opening that lasted for at least 5 hrs. So frenzied was the afternoon activity that signals on chs. 2 & 3 were virtually unintelligible. Not until 1700 EDT did things calm down to a more workable state. To my surprise this onslaught of Es even established a foothold in chs. 5 & 6 throughout the day. Every station that I logged held on for nearly 30 minutes apiece, most of the time coming through in color. A "News Center 5" weather forecast on KHAS-5 told of extreme heat and humidity which I imagine contributed to the magnitude of 7/8's Es duct. One station that I cannot identify came forth at 1915 EDT on ch.4 with ABC's "World News Tonight". Immediately following this network program, an I.D. slide appeared, though somewhat distorted as the duct progressively weakened. A distinctive "NTV" in capital letters was visible at the lower right hand corner of the screen; no verbal calls, however, accompanied this station break. Having done some research at the library, I'm unable to come up with any North American station that fits this description. Referring to 10/84 VUD, I noticed that Tom Yingling logged an "NTV-3" from Cuba. Is it possible that I, too, received a Cuban VHF station? (It's possible but the NTV may have been a reference to a network rather than a stations' call letters. In the August VUD Robert Grant saw an NTV network station from Newfoundland. If I had to guess, I would say you may have been watching the latter off the back of your antenna. I have no first hand knowledge of the NTV stations or networks wherever they're from as Cuba and Newfoundland are out of single hop Es range from me.-wd) Judging by a World Radio TV Handbook listing, "NTV" represents "Televisión Nacional"; a ch.4 outlet exists in Camaguey. What puzzles me, though, is the presence of "World News Tonight" on this potentially Cuban channel. What do you suppose is the likelihood of Television Nacional airing such a program? (Not likely.-wd) Turning to July's VUD, thanks, Bill, for clarifying my 5/27 reception of KGFE-2 Grand Forks ND and KBME-3 Bismarck ND. For the record, I'd like to revise the mileages of these two stations: KGFE-2 should be 1220 mi. and KBME-3 is 1370 mi. from Poughkeepsie.

Eastern TV-DX

Frye; continued---

June 1985 July 1985 July 1985

23 Es 2300 KATV-3 NE 1140 8 Es 1730 unid-2; W
Tr 2330 WSTM-3 NY 155 PBS

1730-1800 KJRH-2 OK 1240 2330 unid-26; SW
1915-1930 KMAS-5 NE 1270 WITF-33 PA t

5 Tr 0700 WPHL-17 PA 135 1915-1930 KMAS-5 NE 1270 WDAU-22 PA 90
0715 unid-67; SE color bars w/tone slide vague. ABC's WLVT-39 PA 120 t

6 Tr 0650 WPHL-17 PA 135 "NTV-4 SW; I.D.
0700 unid-22; SW seen. 25 Tr 0005 WPMT-43 PA 185

8 Tr 0715 WPHL-16 NY 195 Es 1430 WDSU-6 LA 1210 12 Es 2145 KUSD-2 SD
1500 WMC-5 TN 975 2150 unids chs. 35-5; W.

Equipment: 1984 Mitsubishi CS-1952 19" color TV. VHF: Winegard CH-5200 40' above ground; CD AR22KL rotor; CM 0065 Antenna Systems Amplifier; Winegard DR-203 distribution amplifier. UHF: Winegard CS-9095, 45' above ground; CM 74-77A Super Titan preamplifier; CM 9510 rotor; Duratube 1040 telescoping mast.

Ross; continued-----

June 1985 July 1985 July 1985

29 Es 1100 WPBT-2 FL 1200 8 Es 1917 KSNW-3 KS 925 14 Es 1821 WPBT-2 FL 1200
1920 WDAF-4 KS 750 Tr 1825 CIII-6 ON 60

July 1985

2 Es 1259 KDFW-4 TX 1120 12 Es 1915 KACN-2 NB 850 15 Es 1111 APRY-4 SD 950
1301 KFDX-3 TX 1200 2055 CKND-2 MB 1025 1115 KIVV-5 SD 1125

5 Tr 2200 CBLFT8-61 ON 60 2115 CBWFT-3 MB 900 1150 KPIO-6 SD 925

7 Tr 2300 WGRZ-2 NY 120 2130 KUSD-2 SD 800 2238 CFSS-3 SA 1125

8 Es 1540 KWGN-2 CO 1275 2150 CKCK-2 SA 1225 18 Tr 1850 WBWS-2 OH 100
1555 KOTA-3 SD 1125 2157 CFSS-3 SA 1125 19 Tr 0645 WTTE-28 OH 225
KPRY-4 SD 950 2230 KKJB-4 ND 860 0750 WOAC-67 OH 200
1900 KOET-3 OK 925 13 Es 1128 KJRH-2 OK 925 20 Es 1333 WESH-2 FL 1000
KTVI-2 MO 550 1316 KWOP-2 NE 1010
1914 KMOX-4 MO " 14 Es 1807 WESH-2 FL 1000 Equipment: Toshiba 12" TV,
1910 KSDK-5 MO " Tr 1809 WGRZ-2 NY 120 Flying Arrow UHF&whip VHF.

John F. Combs; 2831 Selma, Jacksonville FL 32205 EDT

June 1985 June 1985 July 1985

22 Es 1832 time in 29 Es continued--- 4 Tr 0758 WAGT-26 SC 215
2156 CKC02-2 ON (Dubbed movie; 1957 WEBA-14 SC 200
23 Tr 0517 WSE-2 GA t WCSC-5 SC 204 0813 WMGT-41 GA 202
WCSC-9 NC 347 0826 WGKA-24 GA 201
WCCB-18 NC " highlights, then into another movie). "Telle-
WLTX-19 SC 262 Antillas"
0525 WCBD-2 SC 202 1948 HISD-5 DR t 0900 WOLO-25 SC 263
0530 WECT-6 NC 335 (strong & cci to 5 Tr 0550 SC U's
0537 WGGS-16 SC 323 WUFT) 6 Tr 0620 WIS-10 SC 270
(I.D. 3/4 c.b.--rare 2100 antennas dis- 0650 WAGT-26 SC 215
next to local ch.17) connected due to sev- WEBA-14 SC 200
0539 WRET-36 NC 347 ere lightning storm. 0730 WRJA-27 SC 261
0549 WHNS-21 NC 370 30 Es 1229 time in 1644 WIS-10 again
0600 WSPA-7 SC 338 1328 KJRH-2 OK 925 7 Tr 0626 WTV-7 SC 204
WIS-10 SC 270 1330 KSNW-3 KS 1040 0632 WFLX-29 FL 272
0609 WOLO-25 SC 263 1336 KNSC-2 KS 1121 0734 W29AB FL 77
(I.D. 3/4 c.b.) (2 // 3 but ads different) Es 1212-1300 no I.D.
0610 WLTX-38 GA 240 1455 KYTV-3 MO 800 8 Es 1225 KDKA-2 PA 710
0646 WLTX-35 SC 267 (still "KY-3" I.D.) 1227 CKRV-3 ON t
WNEI-38 SC 238 1230 WGRZ-2 NY 875
WLHT-49 SC 317 1 Tr 0745 WJBF-6 GA(SC) 214 1253 WTVH-5 NY 927
0658 WTVW-9 GA 229 Es 0913 noted; not time.. 1254 WSTM-3 NY t
Es 0942 noted; no time.. Es 0913 noted; not time.. 1316 WRGB-6 NY t
1245-1330 noted; no I.D. 1316 WOLO-25 SC 263 1323 CHLT-5 ON 930
Tr 2255 Many SC U's again 1334 CNET-6 PC 1138
04 Tr 0554 same as 23rd Es 1231 noted; no time 1503 CICI-5 ON 1120
26 Es 0947-0955 unid ch.2. 1533 KNDI-2 TX 1221 2348 WJKA-26 NC 335
27 Es 1159 noted; no time.. 1533 KNDI-2 TX 1221 9 Es 1041-1053 no I.D.'s
29 Es 1935 time in 1559 KOET-3 OK 860 1313 XEFT-2 NL 1220
1944 R----2 DR 1100 1607 KJRH-2 OK 925 1317 KTXT-5 TX t
Santo Domingo 3 Tr 1725 WJKA-26 NC 335 1335 KIII-3 TX 977

September 1985

24 Tr 2315-2345 WNEP-16 PA
WHL-28 PA

11 Tr 0915 SC 14,25,38 23 Es 0900 brief; unid-2
WTVA-34 FL 234 14 Es 2022 noted; no time
WGSE-43 SC 282 17 Es 1014 CBFT-2 PA 1138
WP DE-15 SC 313 (Phillips TP)
1935 WJKA-26 NC 335 1016 WGRZ-2 NY 875
2100 more of the same 1029 CKVR-3 ON 977

Eastern TV-DX

July 1985

10 Tr 0650 WRJA-27 SC 261 10 2325 Tr WHMC-23 SC 294 17 Es 1031 had to quit.
WJKA-26 NC 335 " 11 Tr 0915 SC 14,25,38 22 Es 0843 noted; no I.D.'s
WJUN-39 NC " 13 Es 1141 noted; no time 25 Es 1125 KGAN-2 IA 1002
WJPM-33 SC 297 0805 WUNM-19 NC 418 13 Tr 2124 W69AY FL 60
WPTF-28 NC 410 1128 KLINE-3 NE t
WTVA-34 FL 234 14 Es 2022 noted; no time 1158 KUSD-2 SD 1210
WGSE-43 SC 282 17 Es 1014 CBFT-2 PA 1138 Vermillion
WP DE-15 SC 313 (Phillips TP) 1253 KTVW-3 MO 898
1935 WJKA-26 NC 335 1016 WGRZ-2 NY 875 Ottumwa IA
2100 more of the same 1300 local thunder
1029 CKVR-3 ON 977 storms; Es almost gone.

September 1985

17 Es 1031 had to quit.
22 Es 0843 noted; no I.D.'s
23 Es 0900 brief; unid-2
25 Es 1125 KGAN-2 IA 1002
1128 KLINE-3 NE t
1158 KUSD-2 SD 1210 Vermillion
1253 KTVW-3 MO 898 Ottumwa IA
1300 local thunder
1029 CKVR-3 ON 977 storms; Es almost gone.

Nice to get 18 new stations in one month's time, but then I haven't been DX-ing here for long. I had called Ken Simon on 6/29 to inform him of the Es opening. He was on the phone when the Tele-Antillas I.D. came up, and confirmed it as he had seen it before. Also had an assist from Mike Reid on I.D.-ing CICI-5 on 7/8, thanks Mike. CBFT-2 was running what I believe is the Phillips TP--quite popular in Europe, but the first time I've seen it used on this continent. The TP had Montreal and SRC/CBC on it. Hope WJXT's impending move to a new tower about 5 miles more distant will make things a bit easier to live with on low band. They are less than 3 miles away right now and really gum up the works, even with a ch.4 trap installed. I tend to use a little 5" receiver ("no-name" brand) during Es as it seems to be a bit more selective than the Sears 12". hope to raise the antenna 6 or 7 ft. before fall tro. By the way, all 3 Canadians logged on 7/8 were running U.S. soaps--whatever happened to those "Canadian Content" rules???

Equipment: 5' UHF dish at 26.5' AG, large VHF log or uncertain pedigree at 20', Sears 12" b&w receiver, "no-name" 5" b&w receiver, basic Radio Shack RG 59-U coax, Microwave Filter Co. "Fastray" for ch.4, Radio Shack FM trap, bargain basement rotor.

Frank Merrill; P.O. Box 7207, Toledo OH 43615 EDT-CDT

May 1985

20 Es 2046 KMID-2 TX 7 Es 1500 KGBI-4 TX 9 Tr 0038 KARD-14 LA t
2100 KTVS-3 CO 0039 KSPR-33 MO
KRIS-6 TX WGRB-34 KY
zero offset snowfree
In TV store in Delta OH:
23 Es 1200 WCIX-6 FL 1613 KPRC-2 TX 0040 WEVV-44 IN
1202 WESH-2 FL 1735 CAVT-5 NF t over WILW
1206 WPTV-5 FL 1735 CHSJ-4 NB KLRT-16 AR 670
1230 WUFT-5 FL 1815 WGEB-2 MA 0045 WDD-27 IL (WHT)
1306 WCPX-6 FL t Tr 1858 WIO-19 OH snowfree (WHT)
Tr 1858 WIO-19 OH 0136-0425 WINN-9 IN ran TP all night
1900 KEME-3 ND 0154 KTFP-29 AR
KWEH-4 ND 0156 KHBS-40 AR 740 part of s/off 7/ to
KDLO-3 SD KTVP-29.
1903 KXMA-2 ND 0206 KARD-14 LA 810
(ex-KNDX, KDX) 0210 WSIL-3 IL
1500 KRMA-6 CO 0211 WPTY-24 TN
1515 KTWO-2 WY 0215 KSSI-23 MO
1653 WESH-2 FL 1700 WEDU-3 FL 0230 WCAY-30 TN
1755 CM--3 Cuba 0235 WKW-30 TN
(6" net) 0250 WHNS-21 NC
CM--6 Cuba 0316 WHE-13 TN
1222 ANMZ-2 NM 0412 WLQN-19 KY 370
1240 CFCH-4 PA 0410 KTRK-13 TX t
1246 CKCW-2 NB t 0410 KTRK-13 TX t
1800 WTVJ-4 FL light cci against WH-
1801 WPTV-5 FL 0412 WLQN-19 KY 370
Tr 2200 WFLE-14 LN 0410 KTRK-13 TX t
2023 KENW-3 NM WKMA-35 KY
2050 KIII-3 TX WZTV-17 TN light cci against WH-
2 Es 1220 KXMA-2 NM WKGB-53 KY B-13; faded soon.
1455 KTWO-2 WY 1728 KFDM-6 TX
1920 WEAR-3 FL WUSI-16 IL 1601 KIII-3 TX
2000 WEDU-3 FL KFVS-12 MO 1602 KPRC-2 TX
7 Es 1330 WLBN-2 ME 2330 WCAY-30 TN 1630 KJAC-4 TX
1345 CHAU-5 PA 0010 WKOH-31 KY 1631 KRGV-5 TX
-----PA // to 29 & 53 1657 KRIS-6 TX
1345 CHAU-5 PA 0016 WTWO-2 IN 1728 KFDM-6 TX
-----PA 0037 KAIT-8 AR 1731 KGET-4 TX
1430 KBTX-3 TX 2254 XEJ-5 CHI t 19

Eastern TV-DX

June 1985

10 Es 2254 KDFC-4 TX
2300 KENW-3 NM
AB-ID-2 TX
11 Tr 0211 WEF-4-5 MD
Es 1200 KFDX-3 TX
KPRC-2 TX
12 Es 2056 KEPK-2 CHI
2100 ABJW-3 NM
13 Es 1228 KEMX-3 TX
1300 APRC-2 TX
14 Es 1230 KALB-5 LA
1300 KCLN-6 TX
KXAS-5 TX
1305 KDFW-4 TX
1330 KLDY-6 TX
1400 KFDX-3 TX
1420 KTAT-5 TX
1430 KJRH-2 OK
1502 KWNC-2 KS
1531 KLB-4 KS
1534 --?--4
"NTV network"
2030 CKBY-2 SA
15 Es 1000 KFDX-3 TX
KMID-2 TX
16 Es 1430 KMZ-2 NM
2312 KID-2 TX
17 Es 1252 KMID-2 TX t
Tr 2350 WFIL-14 IN
KFTS-12 MO
18 Tr 0000 WBAK-38 IN
strong!
WICG-20 IL
0030 KPOB-15 MO
ABC logo; then "KPOB-15"
I.D. visible on WANE.
0055 KFTS-12 MO
WTHR-13 IN
over WTVG.
0058 WDDP-27 IL
(now WTET-wd)
over W27AA
0101 KDNL-30 MO
0125 Evansville U's
0130 KBSI-23 MO
0230 Nashville U's
snowfree
Es 1800 KOTA-3 SD
KAME-3 ND
KXMA-2 ND
1830 KFYR-5 ND
1922 KTIV-2 MT
1946 KOUS-4 MT
2000 KYUS-3 MT
19 Es 1228 KWGN-2 CO
1230 KDUH-4 NE
1259 KYUS-3 MT
1434 KTWO-2 WY
1600 CKND-2-2 MB
1632 KME-2 SA
announcing all night
movies.
1730 KWGN-2 CO
1950 KCIO-4 CO
1940 KFTS-3 CO
News story about a cap
collector. Flashed a
cap from Toledo's FOOD
TOWN!

Merrill; continued--

June 1985

19 Es 1959 KCWC-4 WY
2006 KOWY-5 WY
Report from "CBS-14"
(KCMW).
2017 KOTA-3 SD
2029 CKND-2-2 MB
2035 KIVV-5 SD
2049 CKCK-2 SA
2100 KEMX-2 SA
KXMA-2 ND
20 Es 1300 KENW-3 NM
1315 KNMZ-2 NM
1316 KTCV-6 KS
1326 KAMR-4 TX
1359 KMME-5 NM
21 Es 1332 KPRC-2 TX
2058 KWSE-4 ND
2100 KXMA-2 ND
KOUS-4 MT
2130 KDUH-4 NE
2200 KTWO-2 WY
2226 CKBI-5 SA
2306 CKOS-5 SA
CFSS-3 SA
2318 CKCK-2 SA
22 Es 1333 KMID-2 TX
1458 KLEY-4 KS
1500 KHAS-5 NE
KOAA-5 CO
KLNE-3 NE
KRAM-6 CO
1529 KIVV-3 CO
1602 KYCU-5 WY
1730 KWSE-4 ND
1832 WBRZ-2 LA
2000 KPRC-2 TX
unid-2;
French; from E.
2100 KJRH-2 OK
KFDX-3 TX
KTIV-4 OK
2300 KGFE-2 ND
KDUH-4 NE
2326 CKCK-2 SA
0006 CFSS-3 SA
Tr 0140 W32-- IN
(Muncie; snowfree)
0530-0630 WV U's;
Toronto U's strong
0637 W+LAA WV
(xltng WJLT)
Es 1100 CBWT-6 MB
KWSE-4 ND
KID-2-2 MB
1108 CFSS-3 SA
CKOS-5 SA
1117 CHSS-6 SA
1130 Boston 2, 4, 5.
1200 CKCH-2 SA
1216 KILL-3 PA
1325 WBRZ-2 LA
1334 AJAC-4 TX
1435 KIWS-5 TX
2032 KARF-4 TX
2100 KOAH-5 CO
CKBI-5 SA
2124 KWGN-2 CO
2136 KYCU-5 WY

September 1985

June 1985
23 Es 2201 KTWO-2 WY
2300 KLEAR-3 FL
2301 KPRC-2 TX
24 Es 1400 KIII-3 TX
1402 XEFE-2 NL
One of the neatest I.D.'s
aerial view of Monterrey
with intermittent 2's com-
ing forward... wish I had
VCR. (me too-wd)

1605 KMID-2 TX
1801 WLZ-2 ME
1802 CJCB-4 NS
1830 WGHT-2 MA
1922 KARF-4 TX
1931 KSWA-3 KS
1954 KSNM-2 KS
25 Es 1715 KNMZ-2 NM
28 Es 1027 KTVO-2 WY
1032 WEAR-3 FL
1100 KENW-3 NM
KNOP-2 NE
1127 KAVE-6 NM
XEJ-5 CHI
1150 Briefly saw 3/4
c.b. with KNBC I.D., but
I suspect an NBC snafu,
not California!
1200 KAMR-4 TX
2101 KWGN-2 CO
30 Es 1300 WPBT-2 FL
WTWJ-4 FL
CM---3 Cuba
"6" net.
WPTV-5 FL
1319 WCIX-6 FL
1820 WJHK-2 (local)
had ad for golf and pro
shop in Saskatoon SA!
Apparently for Canadian
CATV dish watchers!

July 1985
1 Es 1230 KJRH-2 OK
KFDX-3 TX
KTIV-4 OK
2 Es 1230 KJRH-2 OK
KFDX-3 TX
KAUZ-6 TX
1300 KDFW-4 TX
KTIV-5 TX
KOTV-6 OK
(KOTV I.D.'s as FM 87.7!)
1400 KTAL-6 LA
1500 KAMR-4 TX
KXLT-5 TX
KPRC-2 TX
1536 KYCU-5 WY
1605 KSNW-3 KS
KSNC-2 KS
2000 KNOP-2 NE
KTWV-3 CO
2057 CJCB-4 NS
CJCB-1-6 NS
2100 APRC-2 TX
KIII-3 TX
KATA-3 TX
2115 WBRZ-2 LA
2130 KRGV-5 TX

Eastern TV-DX

July 1985

7 Es 2030 KENW-3 NM
2032 KNMZ-2 NM
8 Es 1230 WPBT-2 FL
CM---3 Cuba
"6" net
1300 WTVJ-4 FL
KACH-3 TX
1315 KFDX-3 TX
KWGN-2 CO
1330 KSNM-2 KS
KTWS-3 CO
KTVY-4 OK
10 Es 1908 KWGN-2 CO
2300 WWSB-27 MS 640 20 Es 1300 KLNE-3 NE
12 Tr 0500-0620 WIMG-42 AL "WVSB, TV-27 West Point" 30 Es 1800-2100
WGRT-34 KY
2348 WDBD-40 MS 760
snowfree
Nashville U's
13 Es 1100 KJRH-2 OK
18 Tr 0002 WKPT-19 TN
KFDX-3 TX
KOCO-5 OK
1232 KWGN-2 CO

Merrill; continued--

July 1985

14 Es 1900 WESH-2 FL
17 Es 1120 KMID-2 TX
CM---3 Cuba
1128 KENS-5 TX
Tr 2040-2110 KFVS-12 MO
WZTV-17 TN
WKSO-29 KY
WKMU-21 KY
2200 WKMA-35 KY
WAPT-16 MS 760
KARD-14 LA 810 19 Tr 0330 WTVE-51 PA
WMAV-18 MS
WDCA-20 DC
2312 W55AS WI (WCIU)
Milwaukee
".action 26"
under WFFT.
KARD-14 LA
WDBD-40 MS 760
".on Jackson's movie sta-
tion WDBD.."
18 Tr 0002 WKPT-19 TN
KGNC-4 CO
KAMR-4 TX
0134 KSPR-33 MO
KSNF-16 MO
KNME-5, KOB-4 NM

September 1985

18 Tr 0150 KDNL-30 MO
WCAY-30 TN
0200 KARD-14 LA 810
stayed past
0800!
2312 W55AS WI (WCIU)
Milwaukee
".action 26"
under WFFT.
KDNL-30 MO
KGNC-4 CO
KAMR-4 TX
KSNF-16 MO
KNME-5, KOB-4 NM

Some very interesting openings this year! I again credit my lower low band yagi with making XEPM-2 possible, and with that earlier WCAK-3. I consider it "paid for"! It looks like KMID/KPRC-2 (10 times each) and KFDX-3 (8 times) were the most common Es here this season, but it was rather strange how I went 10 years or so without seeing KJRH-2 and this year it was common! The KPOB-15 catch was strange, as around midnight I started noticing "flutter" against WANE from the proper direction, but Jeff Kadet didn't think that KPOB could ever get up here (nor did I), and around I.D. time it was nearly atop WANE. WANE's audio, however, never did yield. You may have noticed a 19 day string of DX (June 7-25, which I'm sure is a record for me, and I doubt that I will ever break that. What is the longest string of consecutive DX days that anybody has been known to have? (You got me.-wd) Ironically the string broke on June 26, one of the "definitive dates" for Es. I have a suggestion for those people who have the DX "blahs" because new catches are so few and far between. Why not keep two logs? The first log would be a cumulative one of all your DX to date. The second log would be a year to date log, where you would start from scratch on January 1, and log stuff, starting with your locals, as though you were a brand new DXer. You could compete with yourself and try to beat your previous best "year" totals. You would be in a better position, too, to really be able to compare the quality of different DX seasons, and it would answer a lot of questions as to "how good a year was it, really?" Of course this needs lots of extra paper work, though, and because I am so busy with many other things, I haven't given this approach any real consideration. Oh yes, this should be my final DX report from Ohio. I'll soon be in Macomb IL but it will take a while to settle in! I'm taking van load #1 to Macomb late today (7/31) and my antennas are supposed to come down 8/3, so my final totals are as follows: I DXed in Michigan from 1962-1969. Grand total for Ohio only is 717; Ohio + Michigan 746. Tropo: 559 and 580 respectively. Es: 157 and 166. Ms: 5 and 11. Au: 0 and 0. Best UHF channel total: Ch. 19, with 15 stations. Farthest Tr: KRIW-26, KHTV-39 both 1070 mi. Farthest Es: XLY-3 Merida Yucatan 1550 mi. Shortest Es: WUNC-4 510 mi., KDAL-3 500 mi. (never logged latter in Ohio). Highest channel total: Channel 3 with 57 and 59 stations respectively. So, Macomb will involve starting from ground zero. It's always possible I'll eventually add the coming Toledo ch. 36 to the above, on a future visit.

Robert Seybold, Bennett Road, Dunkirk NY

Long time since I sent in a report. Was rather inactive in winter and early spring months as far as logging DX. Did get in on a couple of winter openings (trops) and did see some Es. Did log WVUT-22 after many years of trying. Did see Es in May and June but did not log it. Saw no new ones except on tropes. It has been a rather poor Es season in my opinion. (Why; didn't you see the West Coast or South America like you usually manage to do?-wd). New on tropes include WSMH-66, WAQ-49, WOLF-38, WLIB-55, WVJW-66, WRGT-45. Recent DX:

July 18; tropo-good Lexington U's, Columbus U's, Dayton U's, WTAP-15, WKMR-38, WKPC-15, WLKY-32, WDRB-41, WFYZ-39, WPEO-42, WPL-16, WDCA-20, WFY-50, WNUV-54, WITF-33, Syracuse & Utica U's, CELFT-15, WOUU-14, WTLW-44, WBGU-57, WSFJ-51, WKON-52, Ft. Wayne & S. Bend U's, WLFI-18, WCMU-14, WVAH-23, WXMI-17 and

Eastern TV-DX Seybold; continued-- September 1985
 others. July 19- tropes WCFC-38, WHEK-36, WLEX-18, WKYT-27, WTVC-36, W3GAB, WWPB-31, WMAP-15, WLVH-15, WPTF-28, WAFI-18, WKMR-38, WITF-33, WIP-21, WPA-27, WPMI-43, WCIU-48, WCIU-26, WCFC-38, WSNS-44, WBBS-60, WHT-27, WMTV-15, WKOW-27, WXGZ-32, KDUH-40, WUSI-16, WICD-15, KDNL-30, WKOI-43, CICO-20.
 July 20-Es chs.223 only; afternoon opening. Trops open in afternoon also, rather unusual; WTVC-26, WCAY-30, WFYI-39, Pittsburgh V's & U's super, WSMR-9 (rare), WBAK-38, WKMR-38, WZTV-17, WCHS-8, WVAI-23, WPBY-33, WTAPE-15, WLEX-18, WKYT-27, WTVC-36, WITF-28, WOSU-34, WRGT-45, WPTD-16, WKER-22, WNIT-34, WNDU-16, WFUM-28, WSMR-66, WLFI-18, WDLI-17, WOAC-67, WCFC-38, WUH-41, WSEJ-51, WANE-15, WKJG-33, WFTF-55, WCMU-14, WUCM-19. July 21 Tr A.M.-WCMU-14, WGVK-52 WMAP-15, WNDU-16, WPTD-16, WANE-15, WDLI-17, WOAC-67, WHIZ-18, WUCM-19, Detroit U's super, WPGH-53, and other Pittsburgh U's; WOUC-44, WUH-41, WCFC-38, WOSU-34, WEGU-57, WFTF-55, WVTY-18, WEYI-25, WAP-49, WKAR-23, WSYM-47, W67AJ (WLNS), WFUM-28, WSMH-66. July 26 Tr A.M.-Chicago U's(all), WVTY-18, WGVK-52 WGVC-35, WUH-41, WCGV-24, WSYM-47, WMXI-17, WUCM-19, WKAR-23, WEYI-25, WFUM-28, WHIZ-31, Ft. Wayne U's, WNDU-16, WSBT-22, WNIT-34, WSJV-28; P.M.-WTJC-26, WNEO-45, WFTF-45, WOUC-44, WPO-42, WHIZ-18, WPTD-16, WKER-22, WDLI-17, WBAK-38, WKMR-38, WITF-38, W41AA, WFAT-19, Pittsburgh U's good in evening also. July 28 Tr-WNDU-16, WNIT-34, Ft. Wayne U's, WGGN-52, WKON-52, WOUC-44, W27-(Lima), WILW-44, WEGU-57, WVAH-23, WPTD-16, WKER-22, WITF-28, WOSU-34. July 29 Tr A.M.-good; WCMU-14, WUCM-19, Chicago U's, WLFI-18, WHIZ-18, WICD-15, WAND-17, WFHL-23, WNDU-16, WSBT-22, WSJV-28, WNIT-34, WANE-15, WPTA-21, WKJG-33, WFTF-55, WMXI-17, WGVC-35, W27-(Lima-Bowling Green), WEGU-57, WTLW-44, WOUC-44, WNEO-45, WDLI-17, WOAC-67, WUH-41, WAP-49, WSMH-66, WHIZ-31, WEYI-25, WKAR-23, WBAK-38, WEDS-59, WITF-28, WOSU-34, WGGN-52, + others. July 30 evening tropes - WPTO-14(rare), WPTD-16, WKON-52, WKER-22, WTV-26, W64AB, WKMR-38, WPO-42, WCAY-30, WLYH-15, WITF-33, WDCA-20, WFII-50, WCTF-48 WITF-28, WOSU-34, WSFJ-51, WTJC-26, WGGN-52, WOUC-44, WNEO-45, Lima U's, WPTA 15, WDLI-17, WOAC-67; A.M. tropes-WKWB-40, WEDS-59 good; WKOI-43, Ft. Wayne & South Bend U's, WCFC-38, WITF-28, WOSU-34 + others. A.M. tropes- Michigan U's super; WGVK-52(rare), Ft. Wayne U's super; WNDU-16, WNIT-34, WME-46, WITF-28, WOSU-34, WHIZ-18, WPTD-16, WKER-22, WOUC-44, WNEO-45, WSFJ-51, WEGU-57. That is about it for this report. Expecting good amount of tropes in next 60 days.

WORLDWIDE TV-FM DX ASSOC.

 Indiana Broadcasting Corporation 2915 West State Boulevard Fort Wayne, Indiana 46808	 P.O. BOX 239 ROCKFORD, ILLINOIS 61105
 Ziff-Davis Broadcasting Company P.O. Box 3265, Saginaw, Michigan 48605	
 television channel 19 P.O. Box 3000 Milwaukee, WI 53201	 TV LOGOS from RICHARD EDDIE ST. LOUIS, MO.
WKPT-TV 19 <small>abc</small> BOX 719 TERRE HAUTE, IND. 47808 SERVING TERRE HAUTE WITH 2.3 MILLION WATTS	WBK-TV 38 <small>abc</small>

QSL CORNER

THOMAS J. YINGLING, JR.
 221 PINEWOOD ROAD
 BALTIMORE, MD 21222-2345

TV QSL's

- FL WXFL 8 Tampa, 905 E. Jackson St., zip 33602. Prepared post card signed by Patrick McLaughlin, CE. Also send bumper-sticker, coverage-map & a free T-shirt with "The Spirit of Tampa Bay, 8 WXFL" reply in 8 days. Van Horn
- WTSP 10 St. Petersburg, 11450 Gandy Blvd., P. O. Box 10,000 zip 33733. Letter from John F. Winter, Asst. Dir. of Eng. Also send back my prepared card signed, coverage-map & promotional pin in 6 days. Van Horn
- WINK 11 Ft. Meyers, P. O. Box 1060, 2824 Palm Beach Blvd. zip 33902. Prepared card signed by Program-Research Director who's name I can't make out. Also send coverage-map in 9 days. Van Horn
- WFYI 29 West Palm Beach, 4130 Blue Heron Blvd. zip 33404. Send prepared card signed by Angelo Figurella, CE in 9 days. Van Horn ***
- GA WSAV 3 Savannah, P. O. Box 2429, zip 31402. Send my prepared card signed Byron Strong, CE in 6 days ***
- WI WBAY 2 Green Bay, 115 S. Jefferson St., zip not given. QSL Card signed by Joseph A. Taylor, CE, W9JO in 7 days. Van Horn
- SC WEBA 14 Allendale % Rt. # 1, Box 47, zip 29812. Send my prepared card signed by Charles E. Cortez, CE, WA4FQF in 8 days. Card send with an blank letterhead paper (maybe he wants me to type it in (hi!)). Van Horn
- MB CKND 2 Minnedosa, % 603 St. Marys Rd., P. O. Box 60, Winnipeg, MB zip R2M 4A5. Letter from Robert C. Hall, CE in 1 week. Ross
- NF CJCN 4 Rattling Brook, % NTV, 446 Logy Bay Rd., Box 2020, St. John's, zip A2C 5S2. Letter from Scott Gibson, Eng. in 3 weeks Ross
- NS CJCH 5 Halifax, ATV, 2885 Robie St., zip B3J 2Z4. Letter from Wallace Robert, Eng. in 3 weeks. Ross
- ND KXJB 4 Fargo, Box 2926, zip 58108. Letter from Arvid Sonstelie, CE in 2 weeks. Ross
- OH WOIO 19 Cleveland, 2720 Van Aken Blvd. zip 44120. Letter from Bob Thurber, jr. CE. Ross
- SD KDLO 3 Garden City, % KELO-TV, Sioux Falls, zip 57102. Lette from Marge Artus, Eng. Secr. (same name on my qsl, ed.) in 2 weeks Ross
- VA WNVC 56 Fairfax, % B101 Lee Hwy., Falls Church, zip 22044. Send my prepared card & decal in 1 month. Holbrook
- NC WCCB 18 Charlotte, 1 TV Place, zip 28205. Letter from Steward Albert, CE in 3 weeks with movie schedule Batstow

Reporters this time are Larry Van Horn of Orange Park, FL who is a new member with some QSL's since moving from Dallas, TX ; Robert S. Ross of London, ONT and from Hank Holbrook of Chevy Chase, MD. Larry is the editor of RCMA 'Space Communications' & editor of 'Signals from Space' in Monitoring Times. He ask what is my deadline. Just send in anytime, as I need items to type up as I'm always running low since I always get the same reporters as it seems. 73's and keep DX'ing & QSL'ing! Tony.

WESTERN TV-DX

September 1985

Fred McCormack
Box 5221
State University Sta.
Fargo, ND 58105

Deadline: 10-4-85

This month's reports witness a decline in the amount of E skip and a continuation of some nice tropo openings, although nothing of the 1000 mile variety.

Due to time conflicts, I will be unable to prepare Western TV DX for the month of October. Any reports received here by October 4 will be used in the November column. It should be sizable.

New New Mode Tent. - t Unidentified - unid S/On - + S/Off - =
ID Color Bars - # Unid Color Bars - % IHTP - # Misc. Test Patterns - &

CH - Chihuahua HD - Hidalgo PU - Puebla
DF - Distrito Federal NL - Nuevo Leon TA - Tamaulipas

Paul Swearingen, P.O. Box 4812, Panorama City, CA 91412

E-Skip is hard to come by in the eastern end of the San Fernando Valley (within a stone's throw of the Burbank Airport). so I've had to depend upon "smog enhancement" plus some new equipment to log any DX.

I've added a Winegard antenna plus amplifier and a Sanyo 4670 VCR to my Montgomery Ward 63-123494 13" TV (actually built by Toyomenka in their Orion factory with Panasonic parts; I recommend it and its successors, 63-12387, 63-12396, and 19" 63-12966 and 20" 63-12865 very highly for DX'ing. They all have monitor capabilities, plus remote control, etc. Yes, I DO work for Montgomery Ward; guess which department, hi!).

Although I have severe horizon blockage here in almost all directions, I do have a straight shot at Tijuana directly southeast and 6, 12, and 33 (XHAS-TV) are regulars, as are the San Diego channels including new KTTV-69. KAGL-30 is off and running again, mostly with religion and that mostly Dr. Gene Scott, whose KHOF-TV was forced to vacate channel 30 a couple of years ago.

I've recorded a total of 25 legal ID's on the VCR; I have it hooked up so I can tape directly from the TV's composite output (audio and video) into the VCR, which has only potentiometer tuning, not quartz-lock. That way, I can flip back and forth between channels when recording, especially useful when I'm trying to capture a translator, to show what the original is like.

I've had transitory E-Skip both here and at the store (which uses ancient Blonder-Tongue amplifiers for each local channel) on channels 2 and 3, but never enough to identify. 73,

***** (Welcome to the column, Paul. Keep us informed on any DX that makes it through. fm)

Jim Pizzi, P.O. Box 1778, Lovington, NM 88260 (505)-396-3251 MDT

Equipment: Tri-Ex MW-65' Tower - @ 65', 10 element Antennacraft (hor) into Akai AT-V04 and JVC VT700 with Jerryold FM de-snower; @ 68', Finco P-7 UHF dish with Eu-4s preamp into Sony 8" b/w or Motorola 19" color; @ 72', Winegard CH-7023 (10 elements, chs 7-13) with Winegard AC-9730 preamp into Motorola 19" color. 35 Foot Tower - @ 35', Winegard CH-4054 with Winegard A-215 in house tube amp into Motorola 19" color; @ 38', CM 4250 6' UHF with Eu-4s preamp into Emerson b/w. 20', 10 element channel 2 with Winegard AC-9260 preamp (channels 2-6); 35', CM-1110 with Winegard AC-9990 preamp on 20' push up on garage roof; Channel 2 and FM vertical on 20' push up; Winegard CH-4054 on 10' mast; 25', 10 element Antennacraft FM (vert) into JVC VT900; 13', Winegard CH-4052 with Winegard AC-9260 preamp (chs 2-6).

June 1985	23 Es 2147	WDTN 2 OH 1152	27 Es 1820	unids ch 2 ne
22 Es 0745	unids chs 2-4 ne	25 Es 1820	unids chs 2,3 ne	2129 KUSD 2 SD 761
1825	unids chs 2-4	26 Es 1430	XEW 2 DF 960	2138 KDLot 3 SD
23 Es 1000	CKPR 2 ON 1260	1459 XHP 3 PU 985	(20 kHz - KENW)	
1330	WFMY 2 NC 1380	1500 Unid ch 4 Mexico	2143 KBJRt 6 MN	
1930	WTWO 2 IN 981	(Full color bar)	2151 KDLT 5 SD	(20 kHz - KTXT)
2000	WKZO 3 MI 1148	27 Es 0730	XEW 2 DF 960	
2033	WBAY 2 WI 1125	0800 WJXT 4 FL 1300	2152 CKX t 5 MB CBC	
	KGAN 2 IA 878	0830 WESH 2 FL 1346	(0 kHz to above)	

Western TV DX

September 1985

Jim Pizzi (continued)		5 tr 0750	K61##	61 sw OK?	11 tr 0749	K30AE 30 OK	370
		(Unknown)	KOKH-25)		(Alva	KETA-13)	
27 Es 2200	KTCA 2 MN 968	Es 0838	KCBS	2 CA 855	0755	KMTC 27 MO 650	
2319	unid ch 2 Mexico		KEYT	3 CA 945	0831	unid 17 ne NBC	
28 Es 0800	unids chs2-4 nne	0843	KNBC	4 CA 855		(Is KDOR-17 on?)	
0830	WDTN 2 OH 1152	7 Es 0915	unids	chs 2-5 ne	12 tr 0815	KSNF 16 MO 576	
1915	unid ch 2 ne ABC	1100	KUSD	2 SD 761		KPOM 24 AR 564	
2100	KTIV 4 IA 747		KDLT	5 SD 788	0840	KHBS 40 AR 526	
2123	KFBF 5 MT 1062	1900	WCIA	3 IL 959	Es 0840	unid ch 2 ne	
2126	KMTVt 3 MT +kHz	2003	KDKA	2 PA 1373	tr 0841	unid 17 ne NBC	
2130	KXMA 2 ND 936		(Again at 2115)			(Not KCBJ. Same	
	("KXK2" & "KX12")	2100	WKYC	3 OH 1310		as 7/11 logging)	
2200	KBCI 2 ID 990	2101	WIVB	4 NY 1163	13 Es 0730	WDTV 5 WV 1328	
	und 2 CBC SA/AL?	2102	WJBK	2 MI 1260	0800	WTIV 4 IN 1059	
2204	KLEwt 3 ID -kHz	2104	WCWH	4 OH 1215		WLWT 5 OH 1125	
30 Es 0940	unids chs 2,3 ne	2109	WAVE	3 KY 1049	0830	WDTN 2 OH 1152	
1000	KCRA 3 CA 1071	2112	WBMM	2 IL 1040		KDKA 2 PA 1373	
1100	KRON 4 CA 1116	2116	WDTN	2 OH 1152		KTVI 2 MO 824	
	KPIX 5 CA 1116	2131	unid channel 5		0832	XHIH 5 HD? XEW	
	KVUU 5 NV 698		(Prob. WEWS or WLWT)		14 Es 0915-1030	unids 2,3 ne	
	(Under KPIX)	2132	WTAE	4 PA 1373	1030	WTWO 2 IN 981	
		2159	WDIV	4 MI 1260	1045	WMAB 2 MS 828	
		0830	KTCA	2 MN 968	2000	WSJK 2 TN 1170	
		2101	KRTV	2 SA 1188	15 Es 0725	unid ch 2 ne	
		2130	KSRE	6 ND 1035	0800	unid ch 2 Mexico	
		2000	WTIV	4 IN 1059	17 Es 1001	unids chs 2-6	
		2000	WUNCT	4 NC PBS	1040	KGFE 2 ND 1058	
		2100	WDIQ	2 AL 1008		KSRE 6 ND 1035	
		2130	WDTN	2 OH 1152	10 Es 1701	KGAN 2 IA 878	
		2101	KGAN	2 IA 818		1118 KGAN 2 IA 878	
		2223	KTVU	2 CA 1116	1709 WFRV	2 WI 1125	20 Es 0758
		2224	KRON	4 CA	5 WI 1125	0800 KDKA 2 PA 1373	
			KPIXt	5 CA	2 MI 1260	0830 WSJK 2 TN 1170	
3 Es 0047	KTVQ 2 MI 900	11 tr 0725	KTVY	4 OK 380		WSIL 3 IL 887	
1100	KTVU 2 CA 1116		KOKI	23 OK 486	22 Es 0800	WPBT 2 FL 1508	
1200	KRON 4 CA 1116		KGCT	41 OK 486		WTIV 4 FL 1508	
	KPIX 5 CA 1116	0729	KTCT	47 OK 486	23 Es 0720-0725	unid ch 2 ne	
4 Es 1000	WBMM 2 IL 1040	0749	KOZK	21 MO 650	1934 KTVU 2 CA 1116		
	1025	CKTVt 2 SA CTV	:	KSNF 16 MO 576	24 Es 1112	KCBS 2 CA 855	

Lots of Es this report and a few new ones too. KTCT-47 is owned by Oral Roberts University and is all religious programming. Another new translator seen on channel 61 with KOKH-25 and probably in southwestern Oklahoma. WIVB-4 was a nice surprise. Also, all the channel 5's - been looking for them awhile.

I bought two PA-4975's from R.F. Electronics. It will be awhile before I get them installed - several bird nests in both towers - I don't want to harm the young birds. That's it for now. 73's, Jim

John Ebeling, 9209 Vincent Avenue South, Bloomington, MN 55431 (Prosit, MN DX) CDT

I have been at the cabin since June 28 and have been monitoring channel 2 nearly day long each day.

June 1985	1 Es 0930	KMID	2 TX	9 Es 1000	KMID	2 TX
24 Es 1530	CJBRT 2 PQ	2 Es 0900	WCBD	2 SC	1130	KOB 4 NM
	1600 KUTV 2 UT		1100 WTIV	4 AL	1315	KNAZ 2 AZ
	1646 unid 2 Ontario		1330 KALB	5 LA	1330	XEW 2
	1800 KNAZ 2 AZ	1430 WMAB	2 MS			(Or XEPM-2 ?)
	1805 WTIV 4 AL		WCBF	4 MS	10 Es 1730	KMID 2 TX
	1830 WSB 2 GA	1500 +WDIQ	2 AL		1815	KNMZ 2 NM
	1900 CJFB# 2 SA	1507 WTIV	4 AL	12 Es 1234	KPRC 2 TX	
	1920 CFON 4 AB	1600 WSB	2 GA	13 Es 1145	WMAB 2 MS	
30 Es 1755	CKCO2 2 ON	1900 WDIQ	2 AL			(Test Pattern)
			WSB	2 GA	14 Es 1130-1200	WMAB 2 MS
		3 Es 1330	WKRN	2 TN	20 Es 1200	+WDIQ 2 AL
		7 Es 1900	KPRC	2 TX		(CB's first)
		8 Es 1730	WRAL	5 NC	21 Es 1100	KPRC 2 TX
			2044 KNMZ	2 NM	1230	unids chs 2, 4
		9 Es 0900	WBRZ	2 LA	1145	WBRZ 2 LA

John Ebeling (continued)

- Re June 24 @ 1646 - Sudbury/North Bay weather given in English - Can not find calls nor could I read them.
- Re June 24 @ 1900 - Either CJFB-1, Eastend or CJFB-2, Val Marie, Saskatchewan
- Re July 4 @ 1330 - Large XEW call letters on a slide - no other ID's seen. XEPM usually superimposes ID about 1/3 way down from the top.

I had FM Es on June 23 and July 1, 2, 8, 9, and 15.

William Draeb, Ellis St., Rt. #2, Kewaunee, WI 54216

CDT

Equipment: 7' Finco dish, B-T CMA-Ub preamp @ 93', .750 cable. Stacked Finco high band yagis with B-T AB-3 (tube type) preamp @ 100' with RG/11 cable. Second tower, 40', with Winegard CH-4026 (lo-band) and Winegard SC713 (hi-band) yagis. Hi-band uses AB-300 preamp. Zenith 14N22 table model 23" b&w (1971) with B-T BTU-2s UHF converter (used for UHF and also the stacked hi-band yagis) and Zenith 16J20 19" b&w (early 60's) (used with antennas on 40' tower), and Panasonic 9" b&w portable.

The second half of July showed a drop in Es activity, but tropo action picked up. Today, the TR-2 rotor on my 40 foot tower stopped working. I don't know why, it's only 35 years old - hi! Anyway, rather than fool with it today, I replaced it with a not-so-old Alliance T-45 which works OK except for the indicator which doesn't indicate. That's no handicap because I can watch the antennas turn from my window - so I know which way they're pointed.

June 1985	7 tr 2220	KLII 3 TX	17 tr 2008	WKON 52 KY
27 tr 0823	WCET 48 OH 400	KPRCt 2 TX		WXIX 19 OH
	WLLI 64 OH 400	KMOLt 4 TX		WCVN 54 KY
Es 1900	WESHT 2 FL	2233 KGBTt 4 TX		WTWQ 36 KY
	WJXT 4 FL	8 Es 1225 WPBTt 2 FL		WKHAT 35 KY
28 Es 2006	KUTVt 2 UT	1225 WEDUT 3 FL	2114 WKLE 46 KY	
	KTVKt 4 UT	1225 WTVJt 4 FL	18 tr 0728 WKLE 46 KY	
29 Es 0915	No time to watch	WPTVT 5 FL		WGRB 34 KY
30 Es 1028	units chs2-4 wsw	WCIX 6 FL		WDRB 41 KY
1905	KXLFt 4 MT	1445 KCNC 4 CO		WTWQ 36 KY
		1600 KOUS 4 MT		WKPC 15 KY
		KYUS 3 MT		WWAY 3 NC
July 1985	1 Es 0900 No time to watch	1640 WWAY 3 NC	1915 Same as in AM +	WKYT 27 KY
	1220 WML 4 LA	1700 WCBD 2 SC		WCON 52 KY
	WDSU 6 LA	WCIV 4 SC		WLEX 18 KY
	KBTX 3 TX	WCSC 5 SC		Lexington UHF's
	1233 WABG 6 MS	1709 WECT 6 NC		Cleveland UHF's
	1235 WKRG 5 AL	WUNC 4 NC		(Both in strong)
	1958 WESH 2 FL	1725 WRAL 5 NC	1922 WUTV 29 NY 445	
	WEDU 3 FL	WFMYt 2 NC		WCBN 27 OH 420
2020	WRBLt 3 GA	2145 KCWCT 4 WY		WPBO 42 OH
	WDIQ 2 AL	2215 KTVxt 4 UT		WCET 48 OH 400
2100	KLII 3 TX	KUTVt 2 UT		WCVN 54 KY 407
	KBTX 3 TX	9 tr 0715 WDRB 41 KY 437	2018 WGN 52 OH	
	2200 KPRC 2 TX	WTWQ 36 KY 473		WEAO 49 OH
	KJAC 2 TX	WPBO 42 OH		WNBO 45 OH
	KMOL 4 TX	WXLIX 19 OH 400	2023 WSEJ 51 OH	
3 Es 1215	KREMT 2 WA	0723 WCET 48 OH 400		WOSU 34 OH
	KXLYt 2 WA	WLLI 64 OH 400		WTTE 28 OH
1505	KOUS 4 MT	10 es 1935 unids chs 2, 3		WTWY 33 OH
	KXLF 4 MT	12 Es 2100 CKSAT 2 AB		WOAC 67 OH
	KYUST 3 MT	CFAT 2 AB	2054 WIII 64 OH	
2200	KUTV 2 UT	CFRN 3 AB	2105 WLJct 65 KY	
	KTVX 4 UT	CFCN 4 AB	2105 WFIE 14 IN	
7 tr 0828	WGON 52 OH	CITL 4 AB	2107 WEHT 25 IN	
	Cleveland UHF's	unid channel 6	2108 WKSO 29 KY	
	1920 KPRCt 2 TX	2136 CBXT 5 AB	2123 WKGB 53 KY	
	KNMt 2 NM	CBXAT2t 2 AB	WIXX 19 OH	
	KENW 3 NM	2325 KCWC 4 WY	WKRC 12 OH	
	KAMRt 4 TX	2158 WSBN 47 VA 587		
	2220 KBTX 3 TX	13 ms 1200 unid channel 4 w	2211 WKHA 35 KY	
		17 tr 0803 WCET 48 OH 400		

Western TV DX

William Draeb (continued)

July 1985	19 tr 2038	K66BV 66 MI	25 Es AM	No time to watch
		(Detroit SIN)	26 tr 0740	W49AG 49 WI
18 tr 2222	WPBY 33 WV	2111 WGON 52 OH		(Bloomington WHLA-31)
19 tr 1935	WSEE 35 PA	2155 WJBK 2 MI	28 Es 0800	WESHT 2 FL
	WJET 24 PA	(Over local WBAY)		WEDUT 3 FL
1941	WQLN 54 PA	2204 WKBN 27 OH 420	tr 1200	KFVS 12 MO 512
	WNEO 45 OH	2249 WEAO 49 OH 395		(Over WISN)

CDT

Jeff Kadet, Box 20, Macomb, IL 61455 (309)-833-1809

Equipment: See August 1985 Western TV DX column.

June 1985	4 Es 1003	XEPM 2 CH	13 Es 1259	KTVQ 2 MT
26 tr 0700	W64AU 64 WI	250 (Adams STV)	14 Es 1000	XEFB 2 NL
	1100	KAUT 6 AZ 1250		1027 CKTV 2 SA
1930	KTX 39 TX	640	1129 KVOA 4 AZ	1029 KWSE 4 ND 840
	KLMG 51 TX	600	1135 ^{unid} channel 5	17 Es 1015 KMID 2 TX
Es 2000	KENW 3 NM		1230 KTVK 3 AZ	Huntsville chs
	unid ch 2 Mexico		2122 KMID 2 TX	31, 48, 54 455
28 Es ?	KIII 3 TX		2159 XHRIOD 2	1837 WEMG 42 AL 575
	KRGV 5 TX		2229 KACB 3 TX 835	1929 WCFT 33 AL 575
30 tr 0620	WCLQ 61 OH	475	30 tr 0620 KWAB 4 TX 825	1949 WDBB 17 MS 575
	WAFF 48 AL	455	8 Es 1104 (Channel 9 ID)	1953 WDDO 40 MS 575
0806	WPGH 53 PA	550	1200 WPBT 2 FL	2000 WTIQ 41 AL 575
	W47AB 47 OH	415	1400 KXLF 4 MT	2030 WSVN 47 VA 500
(Mansfield WOSU-34)			WWAY 3 NC	2035 WLJC 65 KY 420
Es 1404	WPBT 2 FL		KTVQ 2 MT	2107 WOAC 67 OH 480
	WEDU 3 FL		1423 KDK 3 ID	(W67AL 5kW CCI)
			1436 KAIDT 4 ID	2108 WPGH 53 PA
			1557 CKTV 2 SA	2114 WMSY 52 VA 545
July 1985	1 Es 1030	WLNE 6(RI)	1630 KRTV 3 MT	WMSV over WTVP
	1100	WTIG 5 DC	1700 KYW 3 PA	2125 WMAW 14 MS 575
		WPSB 3 CT	1757 WPSB 3 CT	2130 WMAA 29 MS 575
		WGBH 2 MA	1828 WSTM 3 NY 755	(Sign/off 2235)
2 Es 0930	WMAR 2 MD		1829 WTVH 3 NY 755	2200 WAPL 16 MS 575
	1000	2 NC	CBOT 4 ON	2235 WRMR 38 KY 405
	1024	WUNC 4 NC	1838 WCSH 6 ME 1055	18 tr 0003 =WLEF 36 WI 360
	1030	WWAY 3 NC	1855 WGRZ 2 NY	0307 K20AD 20 MN 335
			tr Eve OKC UHF's 510	(Worthington KSTP-5)
			9 Es 1100 WCAX 3 VT	0328 WVAH 23 WV 475
	1049	WRAL 5 NC	1200 KWGN 2 CO	0332 @WAKR 23 OH 475
	1104	WTET 3 NC 640	1221 KUTV 2 UT	0346 WTAJ 10 PA 635
	1200	WCIV 4 SC	1300 KTVK 4 UT	0349 WPGH 53 PA 550
			1235 WSAV 3 GA	0441 +WHLZ 18 OH 445
			1300 WECT 6 NC	0459 +WTV 9 MS 450
			1330 WCYB 5 VA 525	0526 +WXTV 15 MS 495
			1332 ^{unid} channel 5	0531 @WWSB 27 MS 495
			1555 XHRIOD 2	(W/country music)
			1600 KGBT 4 TX	0626 +WMAO 23 MS 485
			KRGV 5 TX	0715 WSVN 47 VA 500
			2017 KIII 3 TX	1924 WCLQ 61 OH
			2100 XEFE 2 TA 1035	CKC03 42 ON
			2206 KDBC 4 TX	CIII29 29 ON
			2210 XEFP 2 NL	19 tr 1958 CITY 57 ON 610
			unid ch 5 Mexico	WTVEt 51 PA
			unid ch 4 Mexico	(0 kHz - WSFJ)
			2252 unid ch 3 Mexico	0411 WUHFT 31 NY
			(Lawrence LPTV)	(0 kHz - WRHT)
4 tr 0121	K30AM 30 KS	265	0529 +WAAY 31 AL 455	0424 @WSAZ 3 WV 455
			0532 WGNX 46 GA 575	0528 +WTFP 15 WV 480
			0629 +WTCI 45 TN 475	Also WAKR-23,
			12 tr 0113 =KNMT 12 MN 495	WFMJ-21, WCLQ-61,
			1602 K65BY 65 IA 155	& WVAH-23 (AN)
			(Waterloo PTL)	
			0418 WTVIC 9 TN 475	
			0516 WHNT 19 AL 455	
			0526 +WAFF 48 AL 455	
			0529 +WAAY 31 AL 455	
			0532 WGNX 46 GA 575	
			0629 +WTCI 45 TN 475	
			12 tr 0113 =KNMT 12 MN 495	
			1602 K65BY 65 IA 155	
			(Waterloo PTL)	
			2315 WMAV 18 MS 425	
			(Snow free)	
			0851 Clarinda IA 225	
			(Chs 56, 58, 60,	
			64, and 66)	
			WHLA 31 WI 225	
			KTCT 47 OK 410	(The best ever)
			(Awful audio)	13 tr 0019 WJWT 16 TN 305

Jeff Kadet (continued)

24 tr 0354 WPCBT 40 PA	28 tr 0514 OKC 14, 25
0429 &WUAB 43 OH 460	Mpls 9, 11, 23 exc
0432 KJKW 8 OH 475	(Station # 600)
0830 Clarinda UHF's	0526 KTHV 11 IA 400
21 tr 2200 WCLQ 61 OH 475	0600 KARD 14 LA 560
22 tr 0312 W3ZAC 32 IN 270	(Odyssey)
(Muncie PTL)	0436-0506 TP's from
1800 KLJB 18 IA 75	WAKR-23, WVIZ-25,
24 tr 0336 WPCH 53 PA 550	WYTV-33, WFMJ-21,
(A good beacon for eastern tr)	and WOIO-19
0315 unid ch 3 KMV?	2200 =WTFP 61 KY 455
(Keokuk w/WISN-12)	2259 WPBY 33 WV 455
0315 unid ch 3 KMV?	2325 WVAH 23 WV 475
(RETMA at 300°)	28 tr 0230 K44AB 44 IA 33
0315 unid ch 3 KMV?	29 tr 0034 WBFF 45 MD 735
(RETMA at 300°)	0054 WDCA 20 (MD)
30 Es 1100 XEPM 2 CH	30 Es 1100 XEPM 2 CH

Re July 4 @ 0121 - K30AM has all night music videos. They were 20 kHz offset from KDNL-30. They are only 70 miles from K30AL.

Re July 12 @ 1602 - K65BY - most wanted station. After eons of trying, in for about an hour - audio only.

Re July 18 @ 0441 - WHIZ-18 logging completes Ohio UHF except for WOUB-20 and some LPTV/xltvs.

E skip took a nose dive the last half of July. I took down the 37 year old 70 foot elm tree just a few feet e/e of my tower and tropo scatter has been increased from Indianapolis 40 and 59 (240 miles) to Dayton 45 (360 miles).

Getting WBFF-45 was a treat, and I think I also had WDCA-20, but couldn't ID much except that a religious show was in progress. They listed Jimmy Swaggart in the Washington Post as being on then, but I'll wait for a more satisfying ID sometime.

WCN-9 is now using those call letters, but they are still parallel to WCIA-3 and still on reduced power. K40AI has been off the air for the past month, reason unknown. Some inspired programming noted on ETV's lately - Nebraska ETV carries SCTV and KETC-9 is carrying the Fugitive. 73.

Michael Parks, Route 1, Box 103, Amery, WI 54001

CDT

Equipment: Channel Master 1110 Quantum with Channel Master 0064C preamplifier and RG-11U at 28', Antennacraft P-7 with Winegard PA-4975 preamplifier and RG-11U at 33', Alliance HD-73 rotor, Winegard DA-8105 post-amplifier, Channel Master 7206 Hi "Q" trap, and Zenith Z1920W 19" color TV.

June 1985

20 Es 1453 XEPM 2 CH 1215	7 tr 2257 KCBR 17 IA 272	8 tr 2154 WFLD 32 IL 337
28 Es 1033 KPRC 2 TX	2301 Sioux City 14, 27	WNNDU 16 IN 397
KBTX 3 TX 1040	8 tr 0003 KBCT 8 NE 383	2315 WFBN 66 IL 340
30 Es 1158 KENW 3 NM 981	0008 K26AC 26 MN 188	WBBS 60 IL 337
	(Bemidji STV-LPTV)	2319 W63AR 63 WI 58
	1200 WQRF 39 IL 269	(Ladysmith KSTP- 5)
	1217 WEEK 25 IL 353	2325 WSBT 22 IN 397
1 Es 1039 WESH 2 FL 1277	1224 WIFR 23 IL 269	2327 WRGT 45 OH 566
1045 WBTV 3 NC 925	(O/KTMA briefly)	(My first Ohio)
1059 WUFT 5 FL	Es 1230 WCBU 2 SC 1094	2334 WMIV 15 WI 216
1131 WTVY 4 AL 1049	tr 1240 WTVOT 17 IL	2339 WKEF 22 OH NBC
2 Es 1031 WEART 3 FL ABC	Es 1259 WSB t 2 GA	WKJG 33 IN NBC
1040 WESH 2 FL 1277	tr 1315 WBLNT 43 IL	2344 W64AU 64 WI 160
1042 WRBL 3 GA 976	WREXT 13 IL	(Adams STV-LPTV)
1057 WCTV 6 GA 1102	Es 1326 WEFY 2 NC 917	WFPTt 55 IN
1100 WUFT 5 FL 1217	1330 WESH 2 FL 1277	2350 WPAT 21 IN
1122 WBRC 6 AL 872	tr 1405 KSFY 13 SD 254	9 tr 0000 -WILW 44 OH 523
1158 WKRGT 5 AL CBS	1424 Sioux City 14, 27	0003 WCGVT 24 WI
(20 kHz - KSTP)	1432 KXNE 19 NE 346	WCIU 26 IL 337
1216 WDSU 6 LA 1076	1459 K32AF 32 MN 152	WKOW 27 WI 216
1434 KMID 2 TX 1065	(St. James KSTP- 5)	0036 WBLNT 43 IL
(KTCA-2 off air)	1515 K22AE 22 MN 131	0050 KMEG 14 IA
1529 WDSU 6 LA 1076	(New Ulm LPTV)	0052 WISC 3 WI 216
3 Es 1526 KTVQ 2 MT 784	1602 K20AD 20 MN 204	0101 WANET 15 IN
6 tr 1114 KNMT 12 MN 161	(Worthington KSTP- 5)	0105 KESD 8 SD 232
K18AI 18 MN 139	2120 WTVF 47 IL 353	0110 K14AD 14 MN 135
(Grnd Rapids STV-LPTV)	WEEK 25 IL 353	(Willmar KSTP- 5)
1116 KCBR 17 IA 272	2154 WHME 46 IN 397	0111 KCCI 8 IA 272
7 Es 2241 KPRC 2 TX 1095	WSNS 44 IL 337	0118 KGAN 2 IA 239
2244 KBTXT 3 TX	(No STV-now SIN)	0122 WSPJ 51 OH 130°
tr 2250 K14AF 14 IA 147	WCFC 38 IL 337	(Religious)
(Decorah KYIN-24)	WNIT 34 IN	

Michael Parks (continued)

9 tr 0130 +WKOI 43 IN 538	19 tr 2100 KCBR 17 IA 272	21 tr 0152 unid channel 56
(Strange time for a sign/on)	2102 WHO 13 IA 272	0153 WHO 13 IA 272
0132 WISN 12 WI 272	2109 KMEG 14 IA 287	(Over WEAU-13)
0134 WTVQ 17 IL 272	2151 KSFY 13 SD 254	0201 -unid channel 7
0205 WHO 13 IA 272	2152 KHIN 36 IA 337	0204 K30AC 30 MN 184
(Over WEAU-13)	KYNE 26 NE 340	(Marshall KSTP- 5)
0230 +WPWR 60 IL 337	2157 KSIN 27 IA 287	0215 =KGAN 2 IA 239
	2206 KCAU 9 IA 287	0220 DX rapidly dis-
	(Audio o/KMSP-9)	appeared except
11 tr 2309 KCBJ 17 MO 446	gw 2339 W55AP 56 WI 41	for Des Moines.
KYTV 3 MO 568	(River Fls w/KITN-29)	
KSNF 16 MO 566	20 tr 0026 KCCI 8 IA 272	23 tr 2037 WEEK 25 IL 353
KMTC 27 MO 568	21 tr 0021 KMEG 14 IA 287	2039 WIVPT 47 IL
KYFC 50 MO 1153	0014 K22AE 14 IA 147	2040 K14AF 14 IA 147
KZKC 62 MO 453	0023 K42AV 42 MN 152	2041 KSNT 27 KS 472
WHO 13 IA 272	(St. James KITN-29)	KZKC 62 MO 453
KSPR 33 MO 568	K50AB 50 MN 152	KYFC 50 MO 453
KCCT 8 IA 272	(St. James KAAL- 6)	0011 K22AE 22 MN 131
KCBR 17 IA 272	Also other St.	KCBR 17 IA 272
KSNFt 27 KS	James xltvs	WHO 13 IA 272
KSHB 41 MO 453	0141 K32AF 32 MN 152	0016 KCAUT 9 IA
KOLN 10 MO 568	(St. James KSTP- 5)	0019 KMEG 14 IA 287
KGAN 2 IA CBS	(Snow free)	0022 KNL 24 MO 480
CFAC 2 AB 1072	0025 K56AH 56 MN 174	0026 K32AF 32 MN 152
2236 CFAC 2 AB 1072	(Windom KMSP- 9)	0030 KOKH 25 OK 739
13 tr 1144 Sioux City 14, 27	K58AF 58 MN 174	0033 KLDHT 49 KS
1145 KHIN 36 IA 337	(Windom KSTP- 5)	0034 KGMC 34 OK 739
1205 KCBR 17 IA 272	K60AD 60 MN 174	0055 KCCI 8 IA 272
(Over KTCA-17)	(Windom KTCA- 2)	0130 unid channel 21
1959 KSFY 13 SD 254	K62AI 62 MN 174	0131 KQTWT 2 MO
2001 KBSD 8 SD 232	(Windom WUSA-11)	0145 KSHBT 41 MO
2008 K22AE 22 MN 131	K64AK 64 MN 174	0155 WTV 18 WI 272
2048 KELO 11 SD CBS	(Windom KELO-11)	0158 W64AU 64 WI 160
(20 kHz - WUSA)	(20 kHz - WUSA)	0159 WBBS 60 IL 337
2230 KMEG 14 IA 287	0038 K28AP 28 NE	WCFC 38 IL 337
	(Neligh KOLN-10)	WFLD 32 IL 337
18 tr 0000 WEEK 25 IL 353	K22AE 22 MN 131	0200 WISC 3 WI 216
WICS 20 IL 410	0040 KBGT 8 NE 383	(WI's first \$ TV
0001 WTVJ 17 IL	0100 K46AA 46 MN 152	station promo)
0003 WRSF 55 IL 410	(St. James w/KGAN- 2)	WITI 6 WI 272
0007 WMBD 31 IL 353	0108 K50AB 50 MN 152	WLSN 12 WI 272
0024 WFLD 32 IL 337	(St. James w/WOC- 6)	0204 WBAY 2 WI 218
WCII 26 IL 337	0123 KCBR 17 IA 272	0212 KDNL 30 MO 480
WBBS 60 IL 337	(Snow free 0214)	0215 WTMJ 4 WI 272
0035 WFBN 66 IL 340	K28AE 28 MN 162	KMOX 4 MO 4
0038 WCFC 38 IL 337	(Fairmont LPTV)	(0 kHz - WTMJ)
0104 KGANT 2 IA	0127 KGIN 11 NE 436	(WCCO off air)
0120 WBAY 2 WI 218	(Under WUSA-11)	0216 KGAN 2 IA 239
0139 KCBR 17 IA 272	(Very weak)	0128 KOLN 10 NE 388
2341 Willmar's 14, 44, 46, 48, 50 135	2342 K42AN 42 MN 135	0145 K60AD 60 IL 337
(Willmar KITN-29)	(Windom W/KGAN- 2)	0235 K32AA 33 IA 302
0145 KMTV 3 NE 340	0149 WOWI 6 NE 340	(Ottawa w/WISN-12)
0149 KQWT 6 NE 340	0149 KMTV 3 NE 340	0149 KMTD 2 TX 1065
30 Es 2208 KMID 2 TX 1065		

Since this is a heavy reporting month, I have omitted a plethora of unids in order to conserve space. K22AE, New Ulm, MN, has dropped SPN and is running 24 hour a day news and video want ads. They have Journal-Vision "22" printed across the top of the screen. K28AE, Fairmont, MN, has done likewise and uses the headline NEWS SCOPE "28". Here in Wisconsin, W15AB in Rice Lake has been off the air since April 1.

WICN-11 changed their call letters to WUSA on Independence Day. They seem to be very patriotic. They are constantly using the colors red, white, and blue. They also began broadcasting in stereo on or about that date. KTMA-23 has switched from ON-TV to SelecTV. They are also unscrambled weekdays from 1800 to 1900 during which time they carry Odyssey. 73, Mike

*****(I have also noted KTMA-23 unscrambled in the morning with Biz Net and Odyssey. I believe that the two LPTV's which you mention, K22AE and K28AE, were both off the air for some time. I am sorry that they were unable to continue operating with community events coverage, but I think we are going to see a lot of these programming adjustments. fm)

Nathaniel Ely, 1237 East Johnson St., #2, Madison, WI 53703 (608)-257-5220

CDT

Equipment: Quantum 1110, Spartan II VHF preamp (0061) from Chmstr; C.M. 7' dish with 4990 preamp at 61°, 70°/30° runs of .412/RG-11 cable, H-D 73 rotor. Winegard DA-405 post amplifier (when locals off the air), 3 Channel Master 7206 "Hi Q" traps (UHF). Tower, QDMX MD-56 (free standing).

June 1985

29 Es 1200	WPBT 2 FL 1305	8 tr 0819 W16AC 16 WI 205 (Land O'Lakes STV)	12 tr 0507 KDKS 5 MO 315 (Rare)
	WESH 2 FL 1090	0832 KC UHF's MO 400 (41, 50, and 62)	0518 KRCG 13 MO 320 (Snow free)
30 Es 1029	KUTV 2 UT 1175	0844 K46AA 46 MN 270 (St. James KTCA-2)	0523 KCOLR 10 MO 465 KNSNF 16 MO 490
1229	KTVQ 2 MT 975	Willmar 46	13 tr 0143 KC 41, 50 MO 400
1327	KMID 2 TX 1025	Alexandria 36	0146 KBSI 23 MO 400
1341	KNMZ 2 NM 1025	0855 KSMQ 15 MN (Over WMIV-15!)	0212 KITC 10 xtrls on channels 74, 83

July 1985

2 Es 1159	KJAC 4 TX 960	0859 K25AA 25 IA 335 (Rock Rapids KSIN-27)	14 Es 1259 WGBH 2 MA 970
	KALB 5 LA 825	0907 K58AF 58 MN 295	17 Es 0953 KNAZ 2 AZ 1325
1200	WABG 6 MS 700 (State # 37)	0913 K46AH 48 MN 315 (Windom KAAL-6)	18 tr 0055 KOLN 10 NE 410
1206	WBRT 2 LA	0909 K56AH 56 MN 295 (Windom KMSP-9)	0104 KETV 7 NE 355 (Automated PSA's with music)
1207	MDSUT 6 LA	0915 K50AG 50 MN 315	0113 KSPR 33 MO 465
1216	WWL t 4 LA	0920 K68BJ 68 MN 300 (Redwood Falls WUSA-11)	1015 WGRB 34 KY 460
1235	WCBD 2 SC 890	0921 K58AS 58 MN 300 (Redwood Falls KELO-11)	1016 WTQV 36 KY 430
1252	WCIV 4 SC 890	0929 K42AO 42 MN 370 (Alexandria KWCM-10)	1030 WSEN 47 WV 555 (State # 38)
1258	WCWB 5 MA 970	0932 K59BT 59 MN 390 (Dornnelly KMSP-9)	1049 WCAY 30 IN 500
1302	WESH 2 FL 1090	0933 unid ch 2 French	1050 WLQNT 19 KY
1334	KGN 2 CO 860	0934 K69DA 69 MN 315 (Little Falls KSTP-5)	1102 WDRB 41 KY 400
1335	KNMZ 2 NM 1025	0935 K40OA 40 MN 370 (Alexandria KTHI-11)	1130 WMATV 18 MS
1358	KPRC 2 TX 975	0936 WJXT 4 FL 975 (Rare)	WNIN 9 IN 375
3 Es 1313	unid ch 2 French	0937 WML 4 LA 895	
1334	unid ch 2 e PBS	1029 WPTV 5 FL 1280	
tr 1400	KLB 18 IA 130 (Testing 3/4 CS)	1030 WUFT 5 FL 1015	
Es 1617	CFAC 2 AB 1325	1100 WCIX 6 FL 1305	
5 au 1910	hash to ch 10	1130 WCIV 4 SC 890	
7 tr 0727	KC UHF's MO 400 (41, 50, and 62)	1200 WPBT 2 FL 1305	
	Also Ottumwa 33, IL 51, 68, Cindy 48, Evansville 14	1201 K20AD 20 MN 315	
Es 0859	KSPR 33 MO 465	1202 KELO 11 SD 400	
Es 1027	unids ch 2 (2)	1203 KWBZ 2 FL 1090	
1531	CJBR 2 PQ 1040	1204 KWSH 2 FL 1090	
1834	XEPM 2 CH 1250	1205 KZAA 39 IN 245 (Fort Wayne WFYI-20)	
1839	KDBC 4 TX 1250	1206 KZAA 39 IN 245 (Worthington KSTP-5)	
1900	KMID 2 TX 1025	1207 KBGT 8 NE 465	
1917	KNMZ 2 NM 1025	1208 KWBZ 40 MN 315 (WQYB-2 CB's)	
2120	KPRC 2 TX 975	1209 KWBZ 40 MN 315 (Richmond 43)	
2127	WPBT 2 FL	1210 KWBZ 40 MN 315 (Willmar 14, 48,	
8 tr 0741	KDS 16 SD 485	1211 KWBZ 40 MN 315 (Fairmont 28,	
	K34AF 34 MN 370 (Alexandria LPTV)	1212 KWBZ 40 MN 315 (Marshall 30,	
	0741-0803 St James 48,	1213 KWBZ 40 MN 315 (St. James 44, 46,	
	50, 52, 54 270	1214 KWBZ 40 MN 315 (48, 52, and 54	
	Willmar 14	1215 KWBZ 40 MN 315 (46 popped on w/	
	Marshall 30	1216 KWBZ 40 MN 315 (WBAY-2 CB's)	
0803	K42AV 42 MN 270 (St. James KITN-29)	12 tr 0110 KSBP 41 MO 400	
	0800 WUSA-11 MN xWTQ	29 tr 0200 WHAS 11 KY 400	
0805	K22AE 22 MN 275 (JOURNAL VISION)	2141 KOLN 10 NE 410	
	K33AB 33 IA 315 (Sibley KSIN-27)	2142 KUONT 12 NE 400	
0808	Iron Mtn xtrls 43, 47, 55, 57, 59, 61, 63, 65, 67, 69, 72, 65= Spectrum 67= VH-1	2143 KUONT 12 NE 400	

1s 2143-2230 strong bursts

0843	WPSJ 51 OH 420	0742 WPSJ 51 OH 420	0743 WPSJ 51 OH 420
0744	WLQ 61 OH 400	0750 WOSU 34 OH 405	0751 WLQ 61 OH 400
0750	WTTE 28 OH 405	0757 WPBO 42 OH 420	0758 WTTE 28 OH 405
0808	WUAB 43 OH 400	0808 WUAB 43 OH 400	0809 WUAB 43 OH 400
0842	WTQV 25 OH 400	0842 WTQV 36 KY 430	0843 WTQV 36 KY 430
	WLEX 18 KY 430	0844 WLEX 18 KY 430	0845 WLEX 18 KY 430
		0845 WLEX 18 KY 430	0846 WLEX 18 KY 430
		0846 WLEX 18 KY 430	0847 WLEX 18 KY 430
		0847 WLEX 18 KY 430	0848 WLEX 18 KY 430
		0848 WLEX 18 KY 430	0849 WLEX 18 KY 430
		0849 WLEX 18 KY 430	0850 WLEX 18 KY 430
		0850 WLEX 18 KY 430	0851 WLEX 18 KY 430
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Technical Topics

Exciting days are in store for the scientific community and those who study the ionosphere. On July 12, the Shuttle orbiter Challenger will host the busy schedule of Spacelab 2, a manned continuation of the ionospheric research begun with Spacelab 1 in 1983. There will be experiments, 14 categories over a 160-hour period, in atmospheric physics, high-energy astrophysics, infrared astronomy, life sciences, materials processing, plasma physics, solar physics, and technology research.

Flight SIF, completely dedicated to interactive experiments with the Earth's plasma, promises to be an interesting mission. Two components of the Spacelab, the Plasma Diagnostics Package (PDP) and the Vehicle Charging and Potential (VCAP) pallet, will be of particular interest to WVDAs. On Spacelab 1, the VCAP made use of an electron gun to prick the upper ionosphere, while the PDP monitored the reactions. Among those things scientists want to specifically know more about are:

- Observations that the body of the shuttle orbiter affects the ionosphere much like a comet, leaving behind a trail of ionized particles...
- Why holes are formed in the ionosphere when rockets lift off. (Skylab, launched by a Saturn V rocket, was noted to have made a hole over 1,000 miles wide that lasted several hours.) While this effect is exactly the opposite of what a VHF DX'er would want, radio astronomers are looking forward to the prospect of being able to "see" space without the radio interference of the ionosphere. Indeed, the idea is being kicked around to deliberately generate holes over radio observatories...
- Radio propagation in the plasma. Specifically, at Very Low Frequencies (VLF), and even the 2 and 10 meter ham bands.
- That objects in the plasma acquire a very strong charge. Structures like the Orbiter can develop a potential gradient of several thousand volts from one end to the other. This effect is a potential health concern, but also holds promise for the generation of electrical power...
- The visible glow that the exposed surfaces of the orbiter sometimes take on in flight...

VCAP experiments will run continuously during the seven day mission. An electron generator will simulate the particle beams that emanate from the sun, travel along the Earth's magnetic field lines, and often generate auroras upon colliding with the upper atmosphere. By injecting particles in controlled quantities (to simulate natural storms) and observing how the plasma changes (with the PDP), hopefully we can figure out what normally disturbs the ionosphere which, in turn, affects climate and radio communications. (An auroral display of about 3 hours involves the discharge of 9 trillion kWh of electricity!) An electron generator has two ports which can produce beam currents of 50 or 100 mA, and a maximum power of about 100 W. The gun thus operated will be an efficient radiating antenna, so radio sensors on board the shuttle and on the ground will be "DX'ing" this 100W transmitter.

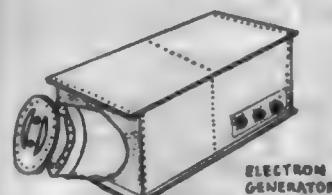
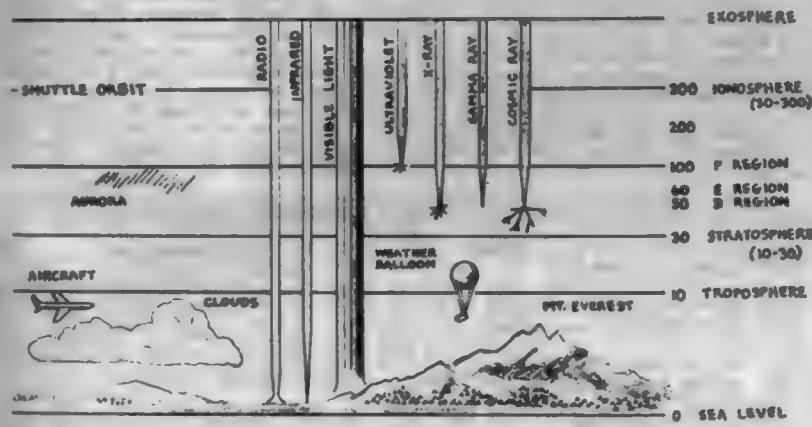
The PDP has the advantage of being ejectable--that is, it will be released from the shuttle cargo bay to float in orbit on its own. Challenger may then move about the PDP "satellite." Since the VCAP is on board and the sensing devices are on the PDP, the engineers hope to get a good feeling of where the electron beams and radio waves are going. There are instruments in the PDP that measure magnetic flux, electric and magnetic strengths, and ion charges, among other things, and some probes will be directly exposed to space. Measurements will be taken anywhere from 6 feet to 1/3 mile from the orbiter, and further experiments will be performed with the PDP moved about by the RMS (Remote Manipulator System--the large "robot" arm seen along the cargo bay of the shuttle.)

One of the more significant plasma experiments will call for the orbiter and the PDP (free-floating) to be lined up along the same magnetic field line. It is expected that any noise or disturbance generated at the shuttle orbiter will be conducted along the field line to the PDP...the "Flux Tube Connection."

Plasma depletion studies will be effected by purposely firing the Challenger's thrusters at specific locations and monitoring the conditions of the ionosphere. The thrusters will release as much as 3,000 lbs of exhaust vapors (mostly water) which, in a chemical reaction, leaves vast holes in the ionosphere. The Millstone Hill Observatory (Westford, MA) will monitor changes in the ionospheric electron count, plasma drift, and plasma temperature during the daytime firings with a 46 m antenna. In Arecibo, PR, a 300 m radar will monitor changes in electron density. Stanford University's VLF facility (Roberval, PQ) will attempt to send VLF radio signals to Siple Station, Antarctica, to keep tabs on propagation during the formation of holes. Similar monitorings of the holes will be made at the US Army Kwajalein Missile Range. Further, the Roeb Observatory (Hobart, Tasmania) will watch their (1-5 MHz) low-frequency radio astronomy equipment closely to see if the holes will allow better viewing of distant galaxies.

Public access to Spacelab 2 experiments is very good. TVRO owners may watch live shuttle TV 24 hours a day (sure beats MTV!) during the whole mission via Satcom F1R, Transponder 18 (139° W. Longitude, 4,060 GHz). Marshall Space Center (Huntsville, AL) will broadcast mission audio and commentary on 173.0250 MHz, FM. No doubt those in range of other NASA centers will also have VHF channels available. (Imagine hearing shuttle commentary via satellites and tropo from Huntsville to a QTH 800 miles away...) An excellent and colorful (though untechnical) 41-page book about Spacelab 2 is available as EP-217 from Public Affairs Office/CAO1, NASA, Marshall Space Flight Center, AL 35812, or from the US Government Printing Office.

12 Tim McVey
Rt. 3 - Box 568
Bolivar, TN 38008-9556



MISSION SIF INSIGNIA →



SOUTHERN FM DX

Danny Buntin
1312 N. Skyline
Stillwater, OK 74075

DEADLINE: 10th

For FM DX reporters from: AL, AR, AZ, CA, CO, DC, DE, FL, GA, KS, KY, LA, MD, NC, NM, NV, OK, SC, TN, TX, UT, VA & WV. Happy DXing!

Tim McVey, Route 3 Box 568, Bolivar, TN 38008 CDT

6/8 Es	6/8 Es
1035 KRWN 92.9 NM Farmington, m, "Crown FM 93"	1079 1236 KQSW 96.5 WY Rock Springs
1038 KRSJ 100.5 CO Durango, k	1240 Es fade out, now tr
1042 KISZ 97.9 CO Cortez, r, "Z-98"	1243 KKNG 92.5 CK OKC
1100 KISH, my "barometer" station to the w.	1300-1900 KKNG and KATT only activity heard
1119 KATT 100.5 CK Oklahoma City, for the next 13 hrs.	1955 KCMO 94.9 MO Kansas City, k "KC-95" 415
1155 KMJI 100.3 CO Denver, mr "Magic-100" also 89.3, 90.1, 95.1, 98.5, 99.5	2056 KQWK 96.9 KS Pittsburg-Joplin ID, 350 "Quick Rock 97" with a "No Madonna Weekend"-- great idea!
1200 KMTS 92.7 CO Glenwood Springs, k	2141 KLIN 107.3 OK Poteau, k (tent, no calls heard) (KINB not in s when I just checked, DB.)
1202 KUIN 92.7 UT Vernal, m, ads ment. Vernal under KMTS	2150 KAYI 106.9 OK Muskogee, r 361
1205 KQZR 102.5 CO Craig	2159 KDLB 99.5 OK Henrietta-Oklmulgee, ID, k 6/9 tr
1207 KOOL 94.5 AZ Phoenix, mr, jingle	0004 KOMA 106.1 OK Owasso, b 392
1210 KBCF 97.3 CO Boulder	0015 most Tulsa stns. in on FM, UHF
1212 KNIX 102.5 AZ Phoenix took over KQZR in the capture ratio.. phenomena that still amazes em.	0019 KORX 93.5 MO Greenfield, p 300
1230 KSIT 104.5 WY Rock Springs, with ads walked right in over local WRVR!	6/11 Es 1115 short cloud to Salt Lake & Craig, CO 1299
	7/7 Es AZ 1145 short lived cloud to Four Corners CO,NM,
	5/27 Es 1145 short lived cloud to Four Corners CO,NM,

Es hasn't developed much this summer for the period of June and the first half of July. Have probably missed much by being away from my equipment through the week. (Tim, I doubt that you missed much of anything. I have checked the FM just about every evening this summer and some of the mornings and found very little DX, especially since early July. DB) I've had complaints that Memphis channels 3 and 5 are often unwatchable during the soaps. Actually, TV-2 has had something every day in June almost, but the MUF just hasn't worked up as well. (I've noticed the same. DB) Am hoping for some good tropo in August... which I almost need more than Es anyway (especially to the ne and to the Carolinas). Enjoyed all the AOR stations in OK, wish some of it could be in TN permanently. (ACR on its way out in OK. DB) Antenna and rotor, Finco FM-5 located 19' AG. 73's.

Jim Pizzi, P. O. Box 1778, Lovington, NM 88260 (505) 396-3251 5/5 to 7/3 MDT	5/5 MS
1123 KLSS 106.1 IA Mason City, "...at the Mason City speedway...Iowas..."	5/27 Es 0928 XHNY 93.5 GTO Irapuato, ads 840
900	0930 XHAJ 92.5 MEX Toluca, ID
5/6 tr 2324 KVQQ 98.3 TX Lorenzo, new to air \$r, "The Q-98FM", Lubbock "rim shotter"	0950 XHOE 95.5 QRO Queretaro, Esterero Mundo 840
120	0951 XHSH 95.3 DF, Amistad, EL 960
2249 CKUAJ 99.3 AT Medicine Hat, Reggae	0954 XERC 97.7 DF "radio hits"
1206	0955 XHPOP 99.3 DF
2251 KCTB 192.7 MT Cunt Bank, 4	0956 XHSQN 100.9 " r plus DF 88.1, 88.9, 89.7, 90.5
1166	5/29 tr 0810 KRBE 104.1 Houston + others in area
2315 KLZY 92.5 WY Powell, r, "Glassy FM"	5/30 Es 1827 XHME 89.5 Puerto Vallarta, ads 840
2318 KMON 94.5 MT Great Falls, r	1827 unID 88.5 NPF plus other NPF's
1062	2025 KCBX 90.1 CA San Luis Obispo, tent, c
2328 CJAY 92.1 AT Calgary, CJ-92, j	6/10 Es
1328	2007 WCLB 91.9 GA Atlanta 1098
5/23 Es 0821 WKXM 92.1 MI Harrison, k, ads 1229	2010 unID's up to 90.7, gone by 2020
WMCL 91.7 MI Alpena, c, tent	2059 WBGL 91.7 IL Champaign, calls, g 959
0828 WBLV 90.3 MI Twin Lake, c, tent	2100 WSSR 91.9 IL Springfield, wx 878
0830 WSAE 89.3 MI Spring Arbor, g tent.	2101 WILL 90.9 IL Urbana, phone # 965
0830 WPHN 90.5 MI Gaylord, g	2104 WUCH 91.7 MI Ann Arbor, ID 1229
1280	2106 WFG 97.7 IL Effingham, g 923
0837 WCXT 105.3 MI Hart, "X-105"	2109 WNDH 103.1 OH Napoleon, calls 1188
1157	2118 WBLV 90.3 MI Twin Lake, calls 1148
5/26 Es 0028 KUHF 88.7 TX Houston, j	6/12 Es 1903-1905 unID's, ne
530	6/16 tr 0741 KXKX 106.5 TX Galveston, ID, cont.... 580
0050 KIXS 93.3 TX Killeen, calls 353	
0053 KESI 106.7 TX Terrell Hills, ex 106.3	
0055 KRBE 104.1 TX Houston, calls	

SOUTHERN FM DX

Pizzi, cont.

SEPTEMBER 1985

6/16 tr 0741 KJLJ 106.9 TX Conroe	7/2 Es 1922 unID 97.7 east "V-97.7" WGLV on in FL?
KJUL 103.7 TX Sinton	WGLV 104.1 FL Tallahassee, tent. EL
0758 KNCN 90.9 TX Dallas, g	WHLY 106.7 FL Leesburg, tent., r
0800 KCKF 90.9 CK Edmond, ID, rare, full quieting	1927 WDIZ 100.3 FL Orlando, tent. r
	1931 WCIE 91.1 FL Lakeland, calls 1337
0805 KETR 88.9 TX Commerce, ID	1935 unID 88.5 east, "Rock 88" ph# 451-1644
0837 KRCG 98.1 TX Laredo, ads FM-98	2034 unID 88.9 n. east, r
0853 KFLZ 107.1 TX Bishop, ID 0900 in EE510	7/3 Es 1136 KFYE 93.7 CA Fresno, y-94, r 959
1014 KREB 104.1 TX Houston, calls	1138 KOSO 93.1 CA Patterson, tent., r
6/17 tr 0843 KJNE 102.5 TX Hillsboro, calls k, v 380	1140 KLBZ 97.7 CA Los Altos, tent., EL
6/20 Es 1309 KARS 92.5 MN Minneapolis, calls, 968 in car, no time to DX, rats.	1141 KMAX 97.9 CA Fresno, calls 959
6/21 Es 1409 KARL 92.5 MN Minneapolis, calls, 968 in car, no time to DX, rats.	1142 KKNU 102.7 CA Fresno, ads
2010 KZIN 96.3 MT Shelby, tent., r	1144 KFSR 90.7 CA Fresno, strange mx
2011 KLFM 92.9 MT Great Falls, tent. k	1148 KBAY 100.3 CA San Jose, b 1080
6/23 Es 1900-2000 unID's 88.7, 89.7, 91.1 n. east	1149 KYUJ 99.7 CA S. F., r 1116
6/24 Es 1410 WKWK 97.3 WV Wheeling, calls, 1328 on lunch hr. in car	1154 KTED 96.7 CA Fowler, g, K-Ted" 955
1412 WQBE 97.5 WV Charleston, calls, no time to DX.	"Stereo Love 97"
	1156 KZLZ 97.7 CA Los Altos, "classey" m 1990
6/25 Es 1099 WQLB 88.9 WI Hayward 1071	1159 KGSE 93.1 CA Patterson, ID + "KO-93"
1450 XHM 88.9 DF 960	1202 KMGX 103.7 CA Hanford, ID "Magic 103" 985
6/28 Es 0853 WITL 100.7 MI Lansing, k "Whittle", ads 1209 KYNQ 95.7 CA Fresno, tent. r u/over KPER	1206 KYNQ 95.7 CA Fresno, tent. r u/over KPER
0858 KDBB 92.5 CA Paso Robles, ads, k 1012	7/7 Es 0957 WQJB 88.9 WI Hayward 1071
0905 unID 98.1 n. east "FM-98", ment. Det. 1009 KWIT 90.5 north to n.e., SS (not Mexico)	0958 KWIT 90.3 IA Sioux City 747
1032 unID 90.5 west? n. east? "The classic experience, FM 90.5"	1006 KLYZ 105.5 MN Cambridge, calls 1013
1034 KFAC 92.3 CA Los Angeles, tent. c 1009 KQRS 92.5 MN Minneapolis, calls 968	1029 KQRS 92.5 MN Minneapolis, calls 968
1101 WPAB 92.5 FL Panama City, calls 1071 1031 KOMC 106.5 MN Fairmont, calls 855	1032 WLQZ 99.5 MN Minneapolis, calls 968
1119 WKIR 104.1 TN Jackson, k, "104 KIR" 1033 WLTE 102.9 " " "W-Lite"	1035 WLTE 102.9 " " "W-Lite"
1128 unID 103.5 n. east, ment. "TN Valley"	1037 KDWB 101.3 Richmond, tent. r
1130 WDYN 89.7 TN Chattanooga, ID 1038 KMSB 105.9 Wadena, k "Superstation" ads	1038 KMSB 105.9 Wadena, k "Superstation" ads
1131 WMWY 88.9 TN Chattanooga, calls 1039 KLJZ 107.5 " Brainerd, ad 1018	1039 KLJZ 107.5 " Brainerd, ad 1018
all of above on car FM	1040 KLIN 107.3 NE Lincoln, ID 644
6/30 Es 1008 KXPR 90.9 CA Sacramento, "FM 91", 1071 1046 KICB 107.7 IA Spencer, calls, k 810	1046 KICB 107.7 IA Spencer, calls, k 810
wx 1009 KAER 92.5 " " , k 1047 KRCG 106.9 MN Rochester, calls 945	1047 KRCG 106.9 MN Rochester, calls 945
1010 KCTC 96.1 " , b 1050 KNRX 97.5 MN Rochester, ads 945	1050 KNRX 97.5 MN Rochester, ads 945
1012 KSCA 96.9 1051 unID 92.1 north "U-92"	1051 unID 92.1 north "U-92"
1014 KEER 100.5 " , g 1056 CKSB 89.1 WN Fort Francis, FF 1173	1056 CKSB 89.1 WN Fort Francis, FF 1173
1017 KFCP 93.5 CA Roseville, K-pop 1071 1103 KLFQ 91.0 SD Madison, wx, calls 900	1103 KLFQ 91.0 SD Madison, wx, calls 900
1022 KCHO 91.1 CA Chico, SS mx 1104 KKYA 93.1 SD Yankton, "KA-93 in Yankton"	1104 KKYA 93.1 SD Yankton, "KA-93 in Yankton"
1023 unID 92.7 CA ment. "Hawthorne & Yerington in NV"	1118 unID 103.1 north, tri-state wx (ND, SD, MN)
1026 KDVG 90.3 CA Davis, soul/g 1105 KBWS 102.9 SD Sisseton, wx, B-103 923	1118 KBWS 102.9 SD Sisseton, wx, B-103 923
1028 KBBF 89.1 CA Santa Rosa 1106 KBRF 103.3 MN Fergus Falls, wx "FM-103"	1122 KBRF 103.3 MN Fergus Falls, wx "FM-103"
1031 KQRD 88.5 CA SF 1107 KLTZ 105.1 MN Breckenridge, ads 968	1123 KLTZ 105.1 MN Breckenridge, ads 968
1034 KQRZ 97.3 CA " 1108 KQRN 107.3 SD Mitchell, local nx, ment. Lake Mitchell	1126 KQRN 107.3 SD Mitchell, local nx, ment. Lake Mitchell
1035 KNSS 98.1 NV Carson City, k, calls 1109 KXHT 97.1 ND Minot, K-Hit 1035	7/8 Es 1111 KXHT 97.1 ND Minot, K-Hit 1035
1037 KQZT 105.7 NV Reno, r 1040 KXKZ 96.1 ND Williston, tent. r	1112 KXKZ 96.1 ND Williston, tent. r
1042 KFMR 100.1 CA Stockton, calls 1041 CBWW 105.3 MN Baldy Mt. 1238	1113 CBWW 105.3 MN Baldy Mt. 1238
1044 KFIG 101.1 CA Fresno, tent, r oldies 1042 CBKF 91.9 SK Bellegarde, FF	1114 CBKF 91.9 SK Bellegarde, FF
1051 KNRV 96.7 CA Paradise, ads 1043 CKIT 104.9 SD Regina, EL 1188	1115 CKIT 104.9 SD Regina, EL 1188
1052 KUNR 88.7 NV Reno, tent. c 1044 KZLZ 93.7 ND Minot, z-94, r 1035	1116 KZLZ 93.7 ND Minot, z-94, r 1035
1058 KALW 91.7 CA San Francisco, Pac- 1045 CBWS 92.7 MN Brandon, c 1157	1117 CBWS 92.7 MN Brandon, c 1157
Ed. net. 1046 CKSB 99.5 " , FF 1118 CBWW 104.3 MA Fairford, same as CBWW	1118 CBWW 104.3 MA Fairford, same as CBWW
1104 KCJH 90.1 CA Stockton, g 1047 WBWV 97.9 " , same as CBWW 1274	1119 KCJH 90.1 CA Stockton, g 1047 WBWV 97.9 " , same as CBWW 1274
1105 KYBB 100.9 CA San Rafael, B101, r 1048 CBWW 104.3 MA Fairford, same as CBWW 1274	1120 CBWW 104.3 MA Fairford, same as CBWW 1274
1106 KZLZ 93.7 SD Belcourt, tent., r 1049 2211 unID 88.9 north, jazz	1121 KZLZ 93.7 SD Belcourt, tent., r 1049
1107 KZLZ 93.7 SD Belcourt, tent., r 1050 2212 KZLZ 93.7 SD Belcourt, tent., r 1049	1122 KZLZ 93.7 SD Belcourt, tent., r 1049
1108 KZLZ 93.7 SD Belcourt, tent., r 1051 2213 KZLZ 93.7 SD Belcourt, tent., r 1049	1123 KZLZ 93.7 SD Belcourt, tent., r 1049
1109 KZLZ 93.7 SD Belcourt, tent., r 1052 2214 KZLZ 93.7 SD Belcourt, tent., r 1049	1124 KZLZ 93.7 SD Belcourt, tent., r 1049
1110 KZLZ 93.7 SD Belcourt, tent., r 1053 2215 KZLZ 93.7 SD Belcourt, tent., r 1049	1125 KZLZ 93.7 SD Belcourt, tent., r 1049
1111 KZLZ 93.7 SD Belcourt, tent., r 1054 2216 KZLZ 93.7 SD Belcourt, tent., r 1049	1126 KZLZ 93.7 SD Belcourt, tent., r 1049
1112 KZLZ 93.7 SD Belcourt, tent., r 1055 2217 KZLZ 93.7 SD Belcourt, tent., r 1049	1127 KZLZ 93.7 SD Belcourt, tent., r 1049
1113 KZLZ 93.7 SD Belcourt, tent., r 1056 2218 KZLZ 93.7 SD Belcourt, tent., r 1049	1128 KZLZ 93.7 SD Belcourt, tent., r 1049
1114 KZLZ 93.7 SD Belcourt, tent., r 1057 2219 KZLZ 93.7 SD Belcourt, tent., r 1049	1129 KZLZ 93.7 SD Belcourt, tent., r 1049
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1118 KZLZ 93.7 SD Belcourt, tent., r 1061 2223 KZLZ 93.7 SD Belcourt, tent., r 1049	1133 KZLZ 93.7 SD Belcourt, tent., r 1049
1119 KZLZ 93.7 SD Belcourt, tent., r 1062 2224 KZLZ 93.7 SD Belcourt, tent., r 1049	1134 KZLZ 93.7 SD Belcourt, tent., r 1049
1120 KZLZ 93.7 SD Belcourt, tent., r 1063 2225 KZLZ 93.7 SD Belcourt, tent., r 1049	1135 KZLZ 93.7 SD Belcourt, tent., r 1049
1121 KZLZ 93.7 SD Belcourt, tent., r 1064 2226 KZLZ 93.7 SD Belcourt, tent., r 1049	1136 KZLZ 93.7 SD Belcourt, tent., r 1049
1122 KZLZ 93.7 SD Belcourt, tent., r 1065 2227 KZLZ 93.7 SD Belcourt, tent., r 1049	1137 KZLZ 93.7 SD Belcourt, tent., r 1049
1123 KZLZ 93.7 SD Belcourt, tent., r 1066 2228 KZLZ 93.7 SD Belcourt, tent., r 1049	1138 KZLZ 93.7 SD Belcourt, tent., r 1049
1124 KZLZ 93.7 SD Belcourt, tent., r 1067 2229 KZLZ 93.7 SD Belcourt, tent., r 1049	1139 KZLZ 93.7 SD Belcourt, tent., r 1049
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1129 KZLZ 93.7 SD Belcourt, tent., r 1072 2234 KZLZ 93.7 SD Belcourt, tent., r 1049	1144 KZLZ 93.7 SD Belcourt, tent., r 1049
1130 KZLZ 93.7 SD Belcourt, tent., r 1073 2235 KZLZ 93.7 SD Belcourt, tent., r 1049	1145 KZLZ 93.7 SD Belcourt, tent., r 1049
1131 KZLZ 93.7 SD Belcourt, tent., r 1074 2236 KZLZ 93.7 SD Belcourt, tent., r 1049	1146 KZLZ 93.7 SD Belcourt, tent., r 1049
1132 KZLZ 93.7 SD Belcourt, tent., r 1075 2237 KZLZ 93.7 SD Belcourt, tent., r 1049	1147 KZLZ 93.7 SD Belcourt, tent., r 1049
1133 KZLZ 93.7 SD Belcourt, tent., r 1076 2238 KZLZ 93.7 SD Belcourt, tent., r 1049	1148 KZLZ 93.7 SD Belcourt, tent., r 1049
1134 KZLZ 93.7 SD Belcourt, tent., r 1077 2239 KZLZ 93.7 SD Belcourt, tent., r 1049	1149 KZLZ 93.7 SD Belcourt, tent., r 1049
1135 KZLZ 93.7 SD Belcourt, tent., r 1078 2240 KZLZ 93.7 SD Belcourt, tent., r 1049	1150 KZLZ 93.7 SD Belcourt, tent., r 1049
1136 KZLZ 93.7 SD Belcourt, tent., r 1079 2241 KZLZ 93.7 SD Belcourt, tent., r 1049	1151 KZLZ 93.7 SD Belcourt, tent., r 1049
1137 KZLZ 93.7 SD Belcourt, tent., r 1080 2242 KZLZ 93.7 SD Belcourt, tent., r 1049	1152 KZLZ 93.7 SD Belcourt, tent., r 1049
1138 KZLZ 93.7 SD Belcourt, tent., r 1081 2243 KZLZ 93.7 SD Belcourt, tent., r 1049	1153 KZLZ 93.7 SD Belcourt, tent., r 1049
1139 KZLZ 93.7 SD Belcourt, tent., r 1082 2244 KZLZ 93.7 SD Belcourt, tent., r 1049	1154 KZLZ 93.7 SD Belcourt, tent., r 1049
1140 KZLZ 93.7 SD Belcourt, tent., r 1083 2245 KZLZ 93.7 SD Belcourt, tent., r 1049	1155 KZLZ 93.7 SD Belcourt, tent., r 1049
1141 KZLZ 93.7 SD Belcourt, tent., r 1084 2246 KZLZ 93.7 SD Belcourt, tent., r 1049	1156 KZLZ 93.7 SD Belcourt, tent., r 1049
1142 KZLZ 93.7 SD Belcourt, tent., r 1085 2247 KZLZ 93.7 SD Belcourt, tent., r 1049	1157 KZLZ 93.7 SD Belcourt, tent., r 1049
1143 KZLZ 93.7 SD Belcourt, tent., r 1086 2248 KZLZ 93.7 SD Belcourt, tent., r 1049	1158 KZLZ 93.7 SD Belcourt, tent., r 1049
1144 KZLZ 93.7 SD Belcourt, tent., r 1087 2249 KZLZ 93.7 SD Belcourt, tent., r 1049	1159 KZLZ 93.7 SD Belcourt, tent., r 1049
1145 KZLZ 93.7 SD Belcourt, tent., r 1088 2250 KZLZ 93.7 SD Belcourt, tent., r 1049	1160 KZLZ 93.7 SD Belcourt, tent., r 1049
1146 KZLZ 93.7 SD Belcourt, tent., r 1089 2251 KZLZ 93.7 SD Belcourt, tent., r 1049	1161 KZLZ 93.7 SD Belcourt, tent., r 1049
1147 KZLZ 93.7 SD Belcourt, tent., r 1090 2252 KZLZ 93.7 SD Belcourt, tent., r 1049	1162 KZLZ 93.7 SD Belcourt, tent., r 1049
1148 KZLZ 93.7 SD Belcourt, tent., r 1091 2253 KZLZ 93.7 SD Belcourt, tent., r 1049	1163 KZLZ 93.7 SD Belcourt, tent., r 1049
1149 KZLZ 93.7 SD Belcourt, tent., r 1092 2254 KZLZ 93.7 SD Belcourt, tent., r 1049	1164 KZLZ 93.7 SD Belcourt, tent., r 1049
1150 KZLZ 93.7 SD Belcourt, tent., r 1093 2255 KZLZ 93.7 SD Belcourt, tent., r 1049	1165 KZLZ 93.7 SD Belcourt, tent., r 1049
1151 KZLZ 93.7 SD Belcourt, tent., r 1094 2256 KZLZ 93.7 SD Belcourt, tent., r 1049	1166 KZLZ 93.7 SD Belcourt, tent., r 1049
1152 KZLZ 93.7 SD Belcourt, tent., r 1095 2257 KZLZ 93.7 SD Belcourt, tent	

SOUTHERN FM DX

Pizzi, cont.

SEPTEMBER 1985

7/13 Es																																																																	
0727 WMKY 90.3 KY Morehead, nx	1161	7/28 Es																																																															
0802 WIAN 90.1 IN Indianapolis, wx, ID 1059		1030 WCIE 91.1 FL Lakeland, g	1337	1030 WUSF 89.7 FL Tampa, ID		7/17 Es		1030 WFSU 91.5 FL Tallahassee, IL	1233	1005 KQX 92.5 MT Havre, WX country, wx		1049 KRVS 88.7 LA Lafayette, FF, cajun mx	684	1010 CKUA 97.3 AT Medicine Hat, tent. c		1051 WBSN 89.1 LA New Orleans, tent. g		1015 KBIT 102.9 MT Billings, calls	900	1054 WWCO 90.7 LA New Orleans, tent., j		1025 KMCM 92.5 MT Miles City, calls, r, +		1056 KLSU 91.1 LA Baton Rouge, tent. reggae		1030 KEYA 88.5 ND Belcourt, calls	1095	1057 WWNO 89.9 LA New Orleans, calls	819	1030-1047 unID's 88.3, 89.1 91.7 c, 93.5 r,		7/30 Es		93.3 r, 95.7		2007 KJSN 92.5 OR Klamath Falls, calls	1170	1059 KMFR 88.9 ND Monot, ID	1035	2025 WBKV 92.5 WI W. Bend, ads	1067	7/20 Es		2027 WGKL 91.7 MI Alpena	1328	0833-45 unID's to 91.9 c, n. east		2029 WXRQ 95.3 MI Beaver Dam, calls	1053	7/28 Es		2031 WMBN 96.3 MI Petosky, calls		1005-30 unID's to 91.5 r		2036 unID 92.3 n. east, baseball				2059 WNNU 90.1 MI Marquette, ID	1364			2136 KLSU 91.9 ND Fargo, tent. j	
1030 WCIE 91.1 FL Lakeland, g	1337	1030 WUSF 89.7 FL Tampa, ID																																																															
7/17 Es		1030 WFSU 91.5 FL Tallahassee, IL	1233																																																														
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1005-30 unID's to 91.5 r		2036 unID 92.3 n. east, baseball																																																															
		2059 WNNU 90.1 MI Marquette, ID	1364																																																														
		2136 KLSU 91.9 ND Fargo, tent. j																																																															

Three months of DX in this report. May had three good days of Es. June had lots of Es, some of which I missed because of work. July was very active with Es noted on 10 days. Needed openings to CA heard, still would like one to the L. A. area. Nothing new in FM in this area. Til next time, 73's.

Pat Dyer, 5315 Silvertip Dr., San Antonio, TX 78228 - 6/24 to 6/30 CST			
6/24 Es		6/24 Es	
1206 KESDT 88.3 SD Brookings, j	1020	1427 WNWJ 98.1 MN St. Cloud, k	1140
1211 WERN 88.7 WI Madison	1065	1428 WLJY 106.5 WI Marshfield, area ads	1145
1219 f/outs		1430 KQKQ 98.5 IA Council Bluffs, r	830
1305 KUSD 89.7 SD Vermillion	920	1432 KLR 97.7 MN Redwood Falls, ID	1060
1311 WFPNT 88.5 WV Charleston	1150	1433 WOF 94.1 NE Omaha, wx, ID, k	830
1312 WXCQ 96.5 WV Williamson, ID	1090	1434 KXL 93.1 MN New Ulm, area wx	1050
1313 WQBE 97.5 WV Charleston, area ads	1150	1436 KQDS 94.9 MN Duluth, town ID	1250
1316 WEMW 107.9 WV Huntington, ID	1100	1437 KQWB 98.7 MN Moorhead	1205
1317 WXLIT 95.1 WV Parkersburg, r	1180	1441 WIAL 94.1 WI Eau Claire, I-94	1125
1319 WMIX 94.1 IL Mount Vernon, wx, ID	820	1442 KWCA 95.1 MN Worthington	995
1321 WJMT 104.1 IL Jerseyville, k	815	1446 KELO 92.5 SD Sioux Falls, ID, EL	975
1322 WFBQ 94.7 IN Indianapolis, Q-95	995	1503 f/outs	
1325 WNNW 98.5 MI Coldwater, ID, k	1125	6/25 Es	
1326 WTPF 107.9 IN Indianapolis, ID	995	unID 88.9	
1329 WIAI 99.1 IL Danville, ID, ads	960	1124 KSD 88.3 CA San Diego, psa's	1120
1331 WKFR 103.3 MI Battle Creek, ads	1155	tr	
1332 WOOD 105.7 MI Grand Rapids, ad	1175	1128 KUFO 97.9 TX Odessa, area wx	280
1339 WAUR 107.9 IL Aurora, ID	1020	Es	
1341 WGCV 106.3 IL Gibson City, ID	950	1129 KECH 93.3 CA El Cajon, rel., ID	1100
1344 WTKM 104.9 WI Hartford, area ads	1110	1130 KYYX 96.5 CA San Diego, ID	1120
1346 WBKV 92.5 WI West Bend, town ID	1115	XHMR 92.5 BCN Tijuana, r	1100
1347 WJLR 106.5 MI Kalamazoo, ID, EL	1140	1132 XHMMT 92.3 BCN Mexicali, Sp.	1010
1348 WFNT 98.7 IL Chicago, area ad	1045	1133 KPBS 89.5 CA San Diego, ID	1120
1349 WXXQ 98.5 IL Freeport, area ad	1000	1133 KGB 101.5 CA San Diego, ID	1120
1350 WLAV 96.9 MI Grand Rapids, ID	1175	1134 KLZZ 106.5 CA San Diego, ID	
1353 WLS 94.7 IL Chicago, "LS", wx	1045	1135 XETRA 91.1 BCN Tijuana, area ad	1100
1355 WLRT 95.7 MI Grand Rapids, wx, W-Lite		1140-1158 lull	
1355 WDOR 93.9 WI Sturgeon Bay, wx, ID		1145 KQIP 96.5 TX Odessa, ID	280
1358 WAPL 105.7 WI Appleton, ID, r	1165	Es	
1400 WMOL 97.7 IL Monmouth, area ad	905	1200 KPCC 89.3 CA Pasadena, area nx	1185
KNJY 97.7 IA Clinton, Y-98	970	1202 KSBR 88.5 CA Mission Viejo, area nx	
1401 WLR 101.3 IL East Moline, ID	945	1204 KPCX 95.5 CA Recondo Beach, ID	1195
1402 KAUS 99.9 MN Austin, local ads	1035	1206 KCHV 93.7 CA Coachella, EL	1070
1405 KFKF 94.1 KS Kansas City, ID	700	1207 KFACT 92.3 CA Los Angeles, c	1190
1406 KMEN 96.7 MO Memphis, ID, r	850	KLON 88.1 CA Long Beach, j	1180
1408 KLSS 106.1 IA Mason City, town ID	985	1208 KCRWT 89.9 CA Santa Monica, j	1200
KCCG 107.1 IA Ames, ads, ID	880	1210 spotty out 1222	
1410 WLST 95.1 WI Marinette, area ads	1230	1701 KUSD 89.7 SD Vermillion	920
1410 WILV 94.9 WI Baraboo, wx, ID	1085	1713 KELOT 92.5 SD Sioux Falls, EL	975
1412 WYBR 104.9 IL Belvidere, ID	1035	1802 KBHE 89.3 SD Rapid City	1040
1415 WJVM 94.3 IL Sterling, area ad	980	MS	
1416 WDUZ 98.5 WI Green Bay, local ad	1190	1833 KELO 92.5 SD Sioux Falls, town ID	975
1418 KJJX 103.3 IA Pella, area ad	885	6/26 Es	
1419 WMGN 98.1 WI Madison, ad	1065	0933 WWKA 92.3 FL Orlando, area ads	1035
1421 WCJL 106.3 MI Menominee, ads	1235	1150 0959 WQCS 33.3 FL Fort Pierce, lcl psa	1115
1425 WKIQ 94.5 MI Holland, area ad		cont.	

SOUTHERN FM DX

Dyer, cont.

SEPTEMBER 1985

6/26 Es		6/28 Es	
1000 WUSF 89.7 FL Tampa, ID		0901 WRFW 88.7 WI River Falls, wx	1110
WRMB 89.3 FL Boynton Beach, ID	1150	0905 KQDS 94.9 MN Duluth, ID	1250
1013 WDNAT 88.9 FL Miami, r	1150	0908 WAKXT 98.9 MN Duluth	1250
1036 WFLAT 93.3 FL Tampa	985	0930 WIAL 94.1 WI Eau Claire, ads	1125
1037 WCYL 93.5 FL Vero Beach, wx	1110	0952 WLST 95.1 WI Marinette, area ad	1230
1040 WFMF 94.1 FL Lakeland, EL	1010	0953 WNIBT 97.1 WI Chicago, c	1045
1044 WYNF 94.9 FL Tampa, "95-YNF" ID	985	0955 WKDK 95.9 IL Aurora, EL, ID	1020
1045 WFYN 92.5 FL Key West, area ad	1090	0959 WSEX 92.7 IL Arlington Heights, ID	1050
1057 WKEP 88.5 FL Sunrise, ID	1145	WAJI 93.5 IL Joliet, area ad	1015
1059 WLRN 91.3 FL Miami, ID	1150	1004 WBEZ 91.5 IL Chicago, c, ID	1045
1111 WLWF 101.5 FL Miami, area ad	1150	1005 WYCA 92.3 IN Hammond, area wx	1040
1115 WRGI 93.5 FL Belle Glade, ID	1110	1008 WSPT 97.9 WI Stevens Point, ID	1150
1126 WRMF 97.9 FL Palm Beach ID	1150	1010 WILW 94.9 WI Baraboo, ads, wx, ID	1085
1139 WLVE 93.9 FL Miami Beach Love-94	1150	1012 WDUZ 98.5 WI Green Bay, local ad	1190
1204-1220 lull		1013 WAXL 97.7 WI Lancaster, ad	1020
1220-1230 R. Belize 88.9 Bze Belize City, ID, psa's		1015 WDOR 93.9 WI Sturgeon Bay, area ad	1225
1301 TG-- 88.1 Cu Guatemala City, slogan ID	1120	1021 WMT 96.5 IA Cedar Rapids, area wx	945
1311 TGRT 88.8 Cu Guatemala City, country ID	1120	1022 WYCO 107.9 WI Wausau, ads, Y-108	1170
1312 TG-t 94.9 Gu Guatemala City, Sp. TG-t 98.6 Gu Guatemala City, Sp.	1120	1028 WQLR 106.5 MI Kalamazoo, ID, wx	1140
1335-50 lull, soon out		WDBR 103.7 IL Springfield, ID	870
1425-1440 TGRT 88.8 (net ID)		1030 WOOD 105.7 MI Grand Rapids, local ads	
unids to 88.9		1031 WACF 98.5 IL Paris, area wx	930
6/27 Es		1032 WTKI 94.5 WI Milwaukee, wx, ID	1100
2116 TG-t 88.1 Cu Guatemala City	1120	1035 WSHW 99.7 IN Frankfort, area wx	1010
6/28 Es		1037 WZUU 95.7 WI Milwaukee, wx, Z-95	1100
0751 CKSB9t 89.1 ON Fort Frances, Fr.	1350	1039 WHBF 98.9 IL Rock Island, local ad	945
tr		1050 KHK 98.1 IA Cedar Rapids, local ad	945
0810 KNFMt 92.3 TX Midland, k	275	1057 WCOW 97.1 WI Sparta, area ad	1085
Es		1059 WIZM 93.3 WI La Crosse, ad, Z-93	1070
0841 CBON20t 89.3 ON Thunder Bay, Fr.	1400	1059 WVCX 98.9 WI Tomah, ID, rel.	1100
0848 WHMC 88.3 WI Monomoyne, ID	1125	1100 KOEL 92.3 IA Celwein, ID, k	985
0855 WHSA 89.9 WI Brule, //88.3	1235	1103 KXLU 88.9 CA Los Angeles, ID	1190
0859 KOSG 92.7 IA Osage, local wx	1005	1127 KSBR 88.5 CA Mission Viejo, ID	1150
0900 WQJB 88.9 WI Hayward ID	1205	1134 WDL 89.3 IL East Moline, ID	945
1123-26 KEJMt 89.3 ND Grand Forks		1154 KDCR 88.5 IA Sioux Center, ID	945
A lot of Es here for a report just covering a few days. Some very productive days for ID's with many in only a few hours. Making both the Central States VHF Conference in Tulsa(July 25-28) and the WFTDA Convention in New Orleans(my first)the next weekend, didn't allow much time to get the reports more current. 73.		1158 f/outs	
Danny Buntin, 1312 N. Skyline, Stillwater, OK 74075 CDT		2106-10 KFJMt 89.3 ND Grand Forks, swing	1240
7/17 Es		6/30 Es	
8/10 ex. gw		1123-26 KEJMt 89.3 ND Grand Forks	1240
1015 KUNR 88.7 NV Reno		8/10 ex. gw	
0001 KCMA 93.5 OK Tulsa, xlator		0001 KCMA 93.5 OK Tulsa, xlator	65
KCMA's(Owasso 106.1) new translator for Tulsa is actually situated well within the main station's primary service area, but while visiting in Tulsa I monitored both stations and had little trouble figuring out why the need for the Tulsa translator since wherever I drove in Tulsa main KCMA was always wracked by noise, possibly multipath. The noisy reception is made all the more unfortunate by the fact KCMA plays classical music. Around downtown Tulsa reception is even noisier, but the translator can't come to the rescue here; it's buried under overloading, so the translator seems to serve primarily south and east Tulsa. While driving in that part of town sometimes the translator was clearly the quieter signal, but at other times it was difficult to tell which signal was preferable for listening. A much better approach to better reception was recently made by KNYZ 104.5 Fryer-Tulsa when that station moved to a 1000' tower and put up billboards in Tulsa, referring to itself as "New Quality Rock". Their on air advertising became heavily oriented toward Tulsa. A blatant rimshotter, I guess. The station seems to have a real clean car FM signal in Tulsa free of multipath and overload interference, at least where I drove. It also comes in excellently on my home tuner, and in fact heard a listener comment on the station for a promo that he got good car reception as far west as Stillwater. Until next month, 73.			

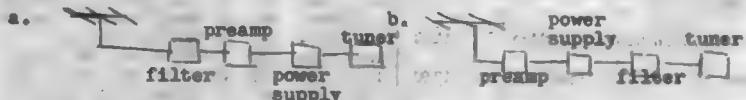


ANTENNA NEWS

Doug Dornbos
3009 Port Sheldon
Hudsonville, MI 49426

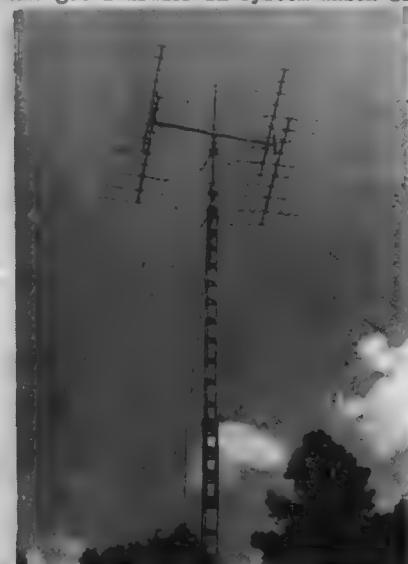
Dear Fellow Dx'er:

Last month's column was filled with several omissions for which I apologize. Ed Frye wrote to me with pricing for the Winegard CPF-FM bandpass filter which I left out. Dealer price for the complete unit is \$4.43. I'll sell the one I've got for that and throw in the 5 attenuation pads @ no charge. Ed also mentioned the Channel Master bandpass filters. I did not include them in my study due to the fact that I feel they are overpriced for the average dx'er. Mr. Frye writes too that he recently went to install his Winegard CH-6065 fm antenna and when he pulled it out of the box he noted that some elements were riveted on the boom wrong. Even though the warranty had already expired, Winegard sent Ed a brand new CS-6065 as a replacement. Ed had only written to them for some advice mentioning the error and never asking for compensation. Winegard is to be commended for actions such as this and should be held up as an example of how companies with multi-mega-buck ad budgets could more effectively use their funds. Thanks for the report Ed. Lastly, Frye brings up the point of where to put an ac-dc blocking device such as a filter when you are using a preamp. The device has to go somewhere else than between the power supply and preamp. If you can find a decent weather proof housing, it is best to do all filtering before the preamp up top the tower (fig. a). If this is out of the question, fig. b is the way to go.



By the way, an upside down, plastic, 2 or 3 liter soda pop bottle with the top off for drainage and coax passage works nicely for a weather housing. Just cut a big flap in one side to put your electronics through. Once the electronics are in and connected, the flap can be duct taped or siliconed back shut. Find a way to bracket it to the tower and you're all set.

Also contributing this month is Vernon Eaton from Benton Arkansas. He has got a killer fm system which is shown below. He has quad stacked The no longer available Finco FM-5's as follows: Horizontal spacing is 118" or one wavelength. Vertical spacing is 60" or $\frac{1}{2}$ wavelength. This closer spacing was used to decrease rotor strain as it was placed above the tower with considerable mast height above it. Also reducing the load on the rotor is a bearing a few feet above the rotor. Vernon gets up to 200 miles away on bad days with several stations per frequency on good days. His tower is of the crank-up variety so he can let her down when the wind gets going. Note the guy supports from the top of the mast to the ends of the H-frame. Strength is the biggest problem in many quad arrangements and this is a big help. If anyone would like to talk with Vernon, his # is 501-847-2066. His address is 82 Springhill acres, Benton, AR 72015.



August 1985

Antenna News

page 2

August 1985

CES Report

My summer Consumer's Electronics Show report will not be as extensive as last year's due mainly to my hectic schedule at the show with TVRO taking up most of my time and leaving little for the fun stuff. Notable is that Grundig did not display there for the first time in many years and that was a bit of a disappointment to me as they have some very fine dx gear. One group I forgot about but usually stop to see is the Electronic Industries Association, the people responsible in a large part for putting on the show. They also put out 2 very nice interference handbooks showing interference symptoms and troubleshooting procedures. One booklet is for TV interference, the other is for audio system interference. I believe that you can have both for the asking by writing to the EIA, 2001 Eye St. NW Washington DC 20006. A worthwhile addition to your stack of references.

The only booth I really made a conscious effort to visit for dx reasons was the Magnum company's. I must say that I am always impressed with these folks and this year was a special treat. Besides their fine "Sleuth" preamps, they are now manufacturing a tuner model FT-101. For \$495 it has my vote as the outstanding product in its' class. On the face there is 1 knob (for tuning), 1 digital readout (for frequency), 5 switches (on-off, mono-stereo, afc on-off, mute on-off, if wide-narrow), and 3 meters (multipath, signal strength, and center tune). What a joy to see such useable equipment in the face of the myriads of hyperchromed hoopla coming in from the orient. Besides the high quality Canadian manufacturing, and the functional useability, the specs are quite good as you can see below. It will be interesting to get some field reports back on this one.

SPECIFICATIONS			
Usable sensitivity (mono)	8.8 dBf/1 Spur	3dB frequency response	20Hz - 16KHz
Usable sensitivity (stereo)	11.2 dBf/2 Spur	AM suppression ratio	60dB
Sensitivity - 50dB quieting (mono)	13.2 dBf/2 Spur	THD (mono)	0.02%
Sensitivity - 50dB quieting (stereo)	34.0 dBf/2 Spur	THD (stereo)	0.05%
Capture Ratio (wide & narrow)	1.5 dB @ 25.4V	- wide	0.023%
Image rejection ratio	75 dB (or better)	- narrow	0.050%
Signal-to-noise ratio - mono	75 dB	Stereo separation	60dB @ 1 KHz
- stereo	73 dB	- narrow	5dB from above
Alternate channel attenuation - wide	50 dB		
- narrow	83 dB	DIMENSIONS:	
Adjacent channel attenuation - wide	8 dB	Cabinet	(in.) 3.65 (h) x 17.0 (w) x 13.0 (d)
- narrow	20 dB	(mm) 93 x 432 x 330	
(30 dB @ 107 MHz.)		Front Panel	(in.) 3.56 (h) x 19.0 (w) x 482 (d)

POWER REQUIREMENT: 120 vac. @ 75 watts. WEIGHT: 17 lbs (5 kg)

Available in "Rock Nook" configuration as model FT-101R

PRAYER IN THE VUD?

After watching the debate take place on religion in the VUD I want to say thank-you to everyone who wrote in showing support for my obvious viewpoint on the subject. The person though who I think really deserves credit is Mr. Alan Hyams who, after printing his initial view, proceeded to print several member's views that were in disharmony with his when he could have left a few out so that he did not appear as so much the minority. There are many church leaders I am ashamed to say, that could take a good lesson in honesty and justice from Mr. Hyams. Thank-you Alan for flooring such a controversial subject in your column. I apologize for taking the easy way out and putting this in my column instead of mailing it separately to you.

FM ANTENNAS (continued from June)

Omitted last column were several prices from the antenna specifications chart. Part of the problem with the prices is that some are shown as list and some as wholesale. Most of the consumer oriented stuff is at list while most of the cable oriented stuff is shown at approximate "user" price. Anyway, you can go back if you like and fill in these prices: the CADCO @ \$290, the BT YFM5 @ \$295, and the BT YFM10 @ \$520.

Now for my favorites! When shopping, I feel that everything should be compared with the cheapest available. This is polar opposite from what most salesmen try to get you to do. Therefore starting at the bottom, we have the GFM6 Antennacraft. It has to be worth its' price because it's the cheapest thing there. Spending a few more bucks for the R-S doesn't give us much more gain, looses us a little f:b ratio, but gives us a lot narrower of a beamwidth. It's worth the bucks in my opinion. Spending another \$17 gets us the Antennacraft GFM10 with 3½dB more gain but a slight loss in the f:b ratio and beamwidth areas. Although these are important, 3½dB is quite abit more signal so I feel that it's worth its' price. For \$13 more, we can have the baby Channel Master. Although this is a good antenna, I don't think its' performance will equal the GFM10. Neither do I feel that the value is really there for the QFM9 Jerrold (also being sold under the Magnum brand name). Going up to the Channel Master 4408 (stereo probe 9) seems to me to be the next logical step. This is typically regarded as the dx'ers delight in fm antennas. The reputation of the probe 9 is so strong that it has somewhat overshadowed the CS6065 Winegard which is also a fine product. The difference is of course the price, about 15% higher on the Winegard. I personally think that the narrower beamwidth of the Channel Master is of greater benefit than the higher f:b ratio and higher price of the CS6065 so I do not consider it (the Winegard) as an option. Neither do I consider the well built J55FM Jerrold, the fine YFM5 or YFM10 Blonder-Tongues as serious options. I discount these antennas because of their intent: They are superbly built to reduce long term maintenance costs on high towers where the cost of one climb can exceed the cost of the antenna. They also perform well but can be outperformed by less expensive models. The remaining antennas all offer something a bit unique. The Sitco MA5FM at \$214 does the Stereo Probe 9 one better but you'll notice a lot more empty in your wallet. The CA8FM Sitco and the CADCO are for all practical purposes the same price. Although the CADCO has the best f:b ratio of the bunch, I would bypass it for the Sitco with its' super narrow directivity and excellant (as in humungus) gain.

It would now appear that we have our list of budget bracketed favorites all set BUT there are a whole set of antennas that we haven't considered. Those are the ones we get when we stack 2 or 4 of the antennas already discussed. This gives us several more antennas at roughly 2 and 4 times the prices already shown. Although we could spend a lot of time on stacking procedure, I would be remiss if I did not point out that the VUD has had excellant articles dealing with this subject in the past. Most noteable are the August 76 and Dec. 73 issues, and the superb article on stagger stacking by Bill Thompson in the June 82 issue. If you're going to stack, it would certainly be worth your while to consult these back issues. I have only the June 82 issue but maybe someone out there could run some copies off for those who wanted them. If there is enough demand, we can spend a couple of issues on stacking theory and practice. Without going into a lot of theory this month though, we will assume that most dx'ers will stack pairs of antennas horizontally and 4 antennas in quad arrangement as shown in the earlier photo.

With horizontal stacking, a phenomenon takes place called pattern multiplication. Instead of the pickup patterns adding and subtracting from each other, they multiply and divide each other! This drastically and advantageously changes the pickup pattern especially the beamwidth of the main lobe. Although using wide beamwidth antennas in a stack will give considerable sidelobes, it is possible to get the frontal pickup lobe of even a dipole down to about 300 by horizontal stacking! Using narrow beamwidth antennas will not alter the stacked beamwidth by a great degree but will alter the sidelobe factor tremendously.

FM Antennas - cont.

Going back now to our budget bracketed favorites and adding in the "antennas" formed by dual and quad stacking, we come up with the following list in order of price and deleting the antennas we discussed .

Brand Model	Price	Gain	f:b	Beamwidth
AC GFM6	\$ 27	5 dB	19dB	72°
RS 151638A	30	5½	17	60
AC GFM10	47	9	16	64
AC GFM6 x2	54	7½	19	30 w/sidelobes
RS 151638A x2	60	8	17	30 "
CM 4408	79	10	16	47
AC GFM10 x2	94	11½	16	30 "
AC GFM6 x4	108*	10	19	30 "
RS 151638A x4	120*	10½	17	30 "
CM 4408 x2	158	12½	16	30 w/ smaller sidelobes than above
AC GFM10 x4	188	14	16	30 w/ sidelobes
SC MA5FM	214	11	17	35
SC CA8FM	268	14	22	32
CM 4408 x4	316*	15	16	30 w/ smaller lobes
SC MA5FM x2	428	13½	17	26
SC CA8FM x2	536	17½	22	22 sidelobes on stacked Sitco's are so small as to be considered non-
SC MA5FM x4	856*	16	17	26 existant
SC CA8FM x4	1072	19	22	

Notice that 4 combinations are marked with an*. These are configurations that for their added cost do not represent the kind of performance gains you may expect so do not deserve a lot of our attention. Also, many of the "upgrades" offer increased performance in one area only but may show a detriment in another area such as sidelobes, windloading, etc.

Two things which should be weighed are future expandability and alternate polarity pickup. When you put up a quad stack you are basically going as far as you can with that antenna. Purchasing a higher quality antenna and then stacking when the budget is fatter may make more sense long term. Another option we haven't discussed is using the added antenna not as a signal booster and directivity increaser, but to use it in the opposite polarity. This will allow reception in either polarity to enhance skip performance where polarity often comes down in only one polarity and can change over short periods of time.

All things considered, I would imagine that to have 2 quad stacks (one vertical & one horizontal) of Sitco CA8FM antennas would be the cat's meow (\$214 plus towers, rotors, cable, etc). Yikes!

Next time for fun we'll take a look at a couple of systems to give us a real world budget idea. If you really want to spend some time with stacking theory let me know. It will of course be applicable to all antennas not just fm.

Thanks for reading. *Ray*

Vhf-Uhf DIGEST

The Official Publication of the
Worldwide TV-FM DX Association

NORTHERN FM-DX

SEPTEMBER 1985

Mixed reviews on this summer's DX so far (this should make for an easy one-liner for the index on the inside of the front cover, heh!), with Es on most June days but not too high in MUF or of great length in duration; and much of it in the morning, not great for the 9-5 crowd. The Tropo seems to be in good form; I've had one duct and missed several due to equipment (expletive deleted) and journeys to the big city; heard of good coastal Tropo from a recent hurricane, as well. So the pickins are good, so get pickin' 'n' reportin'...

ERNEST COOPER - 5 Anthony Street - Provincetown MA 02657

JAN 1985

20 Tr

13AL WHAI 98.3 MA Greenfield
13AL WSUL 98.3 NY Monticello in & out

FEB 1985

24 Tr-GW

1101 WPKN 89.5 CT Bridgeport c & comedy

MAR 1985

31 Tr 1228 WUSL 98.9 PA Philadelphia r "Power 99"

APR 1985

23 Tr 0831 WFAT 93.1 NJ Paterson m "Shadow Traffic"

24 Tr

1309 WECS 90.1 CT Willimantic in & out - weak

MAY 1985

2 GW-Tr

0230 WBBB 104.9 MA Boston (18.5 watts) "Spice-104.9-FM" s

6 Tr

0200 WSPK 104.7 NY Poughkeepsie r (WKPE off)

12 Tr

1211 WLJY 98.3 NY Hempstead m many ads

14 Tr

1642 WVIP 106.3 NY MtKisco m "Stardust-106"

15 Tr

1930 WSNJ 107.7 NJ Bridgeton Mutual nx, weak
2014 WHUD 100.7 NY Peekskill m thru WKTT null

2042 WNBR 100.7 NJ Wildwood r very weak

16 Tr

0158 WFMZ 100.7 PA Allentown in WKXT null, m
Solid signal, "FM-100-Plus", my first
non-Philadelphia PA FM stat; WNBR in too.

0205 WRDR 104.9 NJ Egg Harbor City (?-saul)
0224 WDAS 105.3 PA Philadelphia b&r contests

0250 WDSD 94.7 DE Dover-Smyrna k
0919 WYFI 99.7 VA Norfolk g solid past 1000!

16 Es

1253 WBIZ 100.7 WI EauClaire r in for 7 mins.
1314 WJMT 93.5 WI Merrill wx for Menasha,
Tomehawk, & Merrill; 2 ads. (H Frankl)

16 GW-Tr

1708 WMQO 98.3 NJ New Brunswick m ads (No reply
to QSL request, help Joe Fela?)

22 Tr

0123 WKGL 92.7 NY Middletown r "92-Rock-7"

28 Tr

0220 WJUT 92.7 NY Herkimer NYL

0254 WKGW 104.3 NY Utica "Nightime America" &
local ancts

0305 WIBQ 98.7 NY Utica b wx

31 Tr

0223 WSEA 93.3 DE Georgetown "Sea-93" "From
Greenwood to Georgetown we're the hot #,C93"

ROBERT ROSS - Box 4373, Str. C - London ON N5W5J2 Ham calls VE3JFC Times EDT

EQUIPMENT: Panasonic RFL115, Marantz 2226, dipole, whip, rabbit ears.

(Nice meeting you during my recent excursion to London - Saul) (By the way, a possibility
that I may be moving to London.)

DX
Saul Chernos
79 Ridge Drive
Toronto Ontario
Canada M4T1B6

(Am curious re setup, don't
think you ever told us - s.c.)
JUNE 1985

2 Es 1919 WOKK 97.1 MS Meridian mx by the Nitty
Gritty Dirt Band (don't tell me you
listen to that filth?-saul)

1923 unID 93.5 Interview w/k mcdans, ads.
letters sent to WXIV-MS, WQGL-AL, in Meridian
area; WXIV didn't reply, WQGL QSL'd.
(unless they're specific re prge content
in QSL, a QSL can't be trusted; some
stations QSL no questions asked-saul)

3 Tr 0152 WSNI 104.5 PA Philadelphia EltonJohn mx

5 GW-Tr 1517 WMON 106.3 RI Woonsocket say they'll be
WNEF on JUNE 15/85!!!!

6 Tr 0210 WPXK 106.5 NY Albany r
0259 WCKE 95.3 VT White River Junction
Larry King, lcl ancts, ex-WHNV since Marl.

10 Tr 0200 WCPR 93.5 VT Springfield end NBC Talk-
net's Dr.Rubin show, nx, bb scores, r

0301 WDAS 105.3 PA Philadelphia "Reese in
the morning" r

16 GW-Tr 0145 WHOM 94.9 NH MtWashington coming in
on 94.8 & 95.0, around local WRZE 94.9; b
23 GW or Tr

1350 WIMS 96.1 ME Skowhegan m ads weak but
steady; semi-lcl WSR3 Worcester MA off-air
1451 WLEV 96.1 PA Easton "WLEV plays favor-
ites in the Lehigh Valley" m

24 Tr 0133 WDVR 98.3 NJ Ocean City ads mx by
the Cars (r)

0150 WGNI 102.7 NC Wilmington r ads in solid
where WNEW-NYC usually is on Tr in mornings

0228 WDZD 93.5 NC Shallotte k in nicely
till 0300. I was so excited at logging
this distant class A that I phoned & the
DJ was impressed - said there must be great

"Sky Wave" this morning!

21 Es 1831 WFPS 92.1 IL Freeport sports & news

1842 unID 92.5 Briefly o/ WLTY w/ "This
is Easy Radio WMEZ (or WYZ)" & gone; I'll
never know who.
1903 WMEM 96.7 MO Memphis wx theatre nx,
plug for K.City bx at 7:35 p.m., calls
sounded like KEMR though. (Get a list of
the Royals' bb stations-Saul)

Thassit, Ernest.

Robert's report on next page

ROBERT ROSS cont'd

JUNE 1985

8 Tr

1901 WFSE 88.9 PA Edinboro good
1912 WKSU 89.7 OH Kent Good

1925 WIFM 102.9 PA Sharon "Y-103" VGd
1933 WZLE 104.9 OH Lorain g Vgd

1948 WBEN 102.5 NY Buffalo "Rock 102" Vgd
1952 WREO 97.1 OH Ashtabula "FM-97" Exc

2008 WQED 89.3 PA Pittsburgh Fair

2015 WISU 88.5 OH Youngstown fair

2032 WCGE 89.3 OH Cleveland fair

2130 WCPN 90.3 OH Cleveland vgd

2300 CING 107.9 OH Burlington "FM108" oldies

2308 WBEA 107.3 OH Elyria "B-107" Vgd

9 Tr 0112 WOBC 91.5 OH Oberlin fair

0128 WNET 94.5 NY Buffalo good

10 Es

1200 KABF 88.3 AR Little Rock "FM-88" j good

18 Tr 0203 WVNQ 106.1 OH Mansfield "Mansfield's

light Rock" very good

25 Tr 0200 WQML 91.7 MI Alpena j Vgd

BOB ZINT - 1835 Fruit St. - Huntington IN 46750

MARCH 1985

12 Tr (WFHQ off-air)

1331 WLST 95.1 WI Marinette calls in jingle

29 Tr 0925 WVEE 95.5 PA Johnstown ID lcl ads

JUNE 1985

325 0009 CBEG 106.3 ON Sarnia s-off

200 0009 CBEG 106.3 ON Sarnia s-off

5 Tr 2003 WLHS 89.9 OH West Chester ID (followed

by 18 mins of silence (a test?-saul)

7 Tr 0609 WNKU 89.7 KY Highland Hts ID

8 Tr 2222 WKDF 103.3 TN Nashville stn promo

2232 WSAIC 105.5 KY FtKnox ID

2240 WMMO 106.3 Hodgenville "KMO wx..."

2300 WMYH 107.5 TN Lebanon ID

2305 WLAC 105.9 TN Nashville stn promo

2315 WZCZ 92.9 TN Nashville "It's 11:15 at

middle TN's favorite place for the weekend,

Easy (EZ) 93".

We've had quite a lot of E-skip during the past month, but MUF rarely goes above TV-4.

Hoping for some good FM openings during July. (As it turns out few FM openings, at least

for me, but some very nice, long ones-saul)

73s, Bob.

DAVE NIEMAN - Akron NY 14001

JUNE 1985

1 Es at 1830 MUF 90.9 gone 1850 no IDs

2 Es at 1815 MUF 90.9 gone 1930 no IDs

7 Es

1232 KQNT 88.1 NE Hastings r

8 Es 1100 for few hrs in&out,no IDs

9 Es

1115 ZBM 89.1 BM Hamilton r \$

1000 14 Es

1331 KSLU 90.9 LA Hammond pr \$

1338 WYN 96.3 MS Jackson kr \$

16 Es

1130 WPCS 89.3 FL Pensacola g \$

1157 KSOZ 91.7 MO PtLookout c \$

19 Es

1059 KUWR 91.9 WF Laramie c \$

1375 21 Es

1244 WFIT 89.5 FL Melbourne rp \$

1252 RADIO 90.3 CUBA Havana mx \$

HAVANA 90.3 FL Jacksonville j \$

1348 WFM 90.9 FL Clearwater r \$

1359 WZNE 97.9 FL Valdosta r \$

1402 WLCA 95.9 GA Valdosta r \$

1431 WFRG 90.5 GA Columbus g \$

1508 WFEJ 93.3 GA Manchester "Victory93" g \$

1814 WHOP 98.7 KY Hopkinsville k \$

1830 KADI 94.9 AR Pine Bluff k \$

1933 KFWT 104.9 KS Emporia r \$

1939 KUDL 98.1 KS Kansas City r \$

1401 KGGG 100.3 SD Rapid City r \$

1422 KJFM 89.3 ND Grand Forks c \$

950 →

SEPT '85 NORTHERN FM DX (2)

JUNE 9 Tr cont'd

0150 WNUW 91.1 OH Cleveland Very good

2200 WSEG 102.3 PA McKean "Red-Hot-102" good

10 Es

1758 KXED 90.3 TX Corpus Christi good c

1815 KSEJ 88.1 TX Humble g Vgd

11 Tr

1605 CHUM 104.5 ON Toronto "Chum-FM" gd

15 Tr

0012 WHTY 96.3 MI Detroit "96HT" ex-WJR VGd

17 Es

1200 KABF 88.3 AR Little Rock "FM-88" j good

18 Tr

0203 WVNQ 106.1 OH Mansfield "Mansfield's

light Rock" very good

25 Tr

0200 WQML 91.7 MI Alpena j Vgd

→

DAVE NIEMAN cont'd

JULY 12 Es
2132 KILL 90.1 SD Porcupine r \$

15 Es

1047 KCSD 90.9 SD Sioux Falls c \$ I
think it was first day on air
1113 KKLS 93.9 SD Rapid City r \$
1120 KWTR 93.7 SD Winner r \$ "Magic 93" 1065
(WBK off-air)

1130 KSQY 95.1 SD Deadwood r \$

1132 KGKG 94.3 SD Brookings r \$
("Rock-94")

1170 JULY 15 Es cont'd
1144 KM1T 105.9 SD Mitchell k \$ 975
1201 KRSD 88.1 SD Sioux Falls c \$
(Minnesota Public Radio) 885
1204 KVSR 97.9 SD Rapid City g mono 1220
1216 KQLT 103.7 WY Casper b \$ 1380
1231 KBHE 89.3 SD Rapid City c \$ 1220

COMMENTS: By far the best month-and-a-half of E-Skip I've heard in years. I had enough relog IDs to fill two pages in a report. -Dave.

A Sony TFM-1102 with a 34' tower & rotor - BURNT RIVER ON

EQUIPMENT: Saul Chernos.

Ever get the feeling that your equipment OWNS you? Everytime a good opening happens, my equipment seems to go pthvvvttt! The missed DX. The repair bill. I think my sanity's been lost somewhere in the backwoods of Burnt River. So that explains many non-DX days:

JUNE 1985

22 Es (cont'd from last month)
2123 WUWF 88.1 FL Pensacola
2125 WJST 94.5 FL PtStJoe WolfmanJack "T-94"
2135 WJRC 91.5 FL Williston k
2150 WMW 88.1 MS Meridian
2151 WCKW 92.3 LA LaPlace "RiverParishRadio"

23 Es

1421 KWTR 93.7 SD Winner "Magic 93" r
24 Es (best Maritime Es ever here)
1602 CBNN 90.3 NF Marystown CBC-Radio EE wx
1604 CKOZ 92.3 NF CornerBrook r "Oz-FM" wx
1605 CBAF 29 88.1 PE Charlottetown CBC-Radio FF
1606 CBAF 26 88.5 NB Moncton (new territory!)
1614 CBAE 90.5 NB Campbellton local CBC prgr
1615 CBAI 89.3 PQ Gaspé (1stPQ by Es!)
1620 CBC 96.9 PE Charlottetown EE CBC QTH
1621 CHLQ 93.1 PE Ch'town QTH (under worst lcl)
(& even atop CHAY, 1st 93.1 Es stnl)
1636 CBHC 89.1 NS Truro EE CBC NSmx
1640 CBYP 89.5 NF Portland Creek lcl nx EE CBC
1646 CBVG 88.5 PQ Gaspé EE CBC area nx
1655 CBKF 91.9 SA Bellegarde FF CBC w/lcl wx
so I know direction changed, still Canada!
1700 KMFR 88.9 ND Minot KOME-KMPR dual ID legal
1706 CBK 96.9 SA Regina CBC \$ EE local wx
26 Tr

1725 CBF 100.7 PQ Montreal FF CBC \$ o/CHIN

JULY 1985

2 Es
1200 KRRV 100.3 LA Alexandria "\$-Country-wx"

1201 KTEP 88.5 TX ElPaso lcl nx (DISTANT Es)

1202 KRVN 88.7 LA Lafayette

1205 W??? 90.7 FL Panama City "FM90" QTH

1231 KWLR 93.9 TX San Angelo k

1236 WQID 93.7 MS Biloxi "94-QID" r

1237 KETR 88.9 TX Commerce "East TX State" (univ)

1427 WMMG 92.1 MS Hattiesburg

1428 WCKW 92.3 LA LaPlace

1430 WQST 92.5 MS Forest "92QST", "92Country"

1450 WWNO 89.9 LA NewOrleans "90FM" pledges

1451 WQUE 93.3 LA N.O.

1459 WWOZ 90.7 LA N.O. s

2 Tr

1600 WUOM 91.7 MI Ann Arbor wx

8 Es

1442 WPAP 92.5 FL Panama City

1740 WJLQ 100.7 FL Pensacola r "Q-100"

1746 WDYN 89.7 TN Chattanooga "\$-90"

1747 WQID 93.7 MS Biloxi

1749 WJJ 96.5 AL Birmingham "Magic"

1753 WGUF 96.7 MS Gulfport

SEPT '85 NORTHERN FM DX (3)

JULY 8 Es cont'd
1756 WNSL 100.3 MS Laurel
1759 WMAW 88.1 MS Meridian
1759 WUAL 91.5 AL Tuscaloosa
1800 WMAU 88.9 MS Bude //88.1 MS netwk.
1800 WRBH 88.3 LA N.O. talking book
1801 WCKW 92.3 LA LaPlace
1805 WJJM 94.3 TN Lewisburg AM-FM dual ID
1806 WQST 92.5 MS Forest nx
1811 WMPR 90.1 MS Jackson
1815 WSMU 106.3 MS Starkville sports
1818 WMYV 106.7 MS Vicksburg k "KY-Country"
1830 WSJC 107.5 MS Magee k
1832 WFCA 107.9 MS Ackerman g
1847 KABF 88.3 AR Little Rock p
1852 KHQT 94.1 AR L.R. "The new K-Lite 94"
1857 KLRE 90.5 AR L.R.
1900 KTKX 91.5 TX Texarkana
1901 KSEC 90.1 AR HotSprings g
1903 KOEZ 92.3 KS Newton "Easy 92" b
1905 KZZC 98.9 KS Leavenworth "ZZ-99"
1908 KYEZ 93.7 KS Salina "KY CountryFM 94" k
1913 KXCV 90.5 MO Maryville wx (now 85)
1915 K?? 92.5 KS Phillipsburg QTH
1918 KMOD 97.5 OK Tulsa contest
1919 KXXX 96.1 OK OklahomaCity "KXY"
1920 KRAV 96.5 OK Tulsa
1922 KICT 95.1 KS Wichita "T95"
1925 KFMZ 98.3 MO Columbia r
1929 KEBC 94.7 OK O.K.C.
1930 KNGK 92.5 OK O.K.C. "King" b
1930 unID 89.3 g QTH wx for Springfield &
lcl nx; ID KWFC - on 97.3, no? WEIRD!!!
2000 KHCC 90.1 KS Hutchinson
2000 KOSC 90.1 OK Edmond
2001 KQBC 90.7 MO Joplin g
2002 KJLC 88.5 MO K.City
2005 KMUW 89.1 KS Wichita
2007 KZOC 92.7 KS Osage City "KZ-93" wx
2010 KBUZ 106.5 KS Arkansas City "K-Buzz" DISCO
2012 KLZS 97.9 KS Wichita
JULY 15 Es (tnx Mike Reid for call at work)
1200 KNEB 94.1 NE Scottsbluff
1201 KILL 90.1 SD Porcupine native,EE,Kill,r
1203 KUWR 91.9 WY Laramie NPR wx
1205 KDCR 88.5 IA Sioux Centre g
1218 KMR 92.9 NE Scottsbluff contest
JULY 18 Tr (SUPER DUCTING)
1117 WSKG 89.3 NY Binghamton
2126 WRKR 100.7 WI Racine r
2130 WDLR 89.3 IA East Moline Moody g ID
2145 WMBI 90.1 IL Chgo Moody g. MORE OCT/85

REVIEW

ALLIANCE HD-73
ANTENNA ROTOR

by Rich Wertman

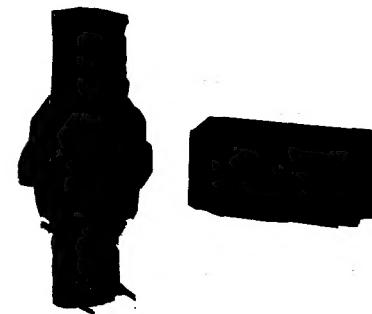
Well, this rotor is definitely heavy duty, if that's what you're looking for! I purchased an HD-73 two years ago for a very reasonable price and believe I got a heck of a buy. Upon receipt of the rotor my eyes amazed me, seeing how the outer case of this rotor was constructed. I believe that the CDR and Hy-Gain top-of-the line models at higher prices don't stand up to this one, at least in the case and mounting design.

Most rotors use the body of the rotor to mount the mast into. The HD-73 uses separate 3/4" plates on either side and both top and bottom. These plates are then bolted to the motor body by four 5/16" hex bolts on top and bottom! Then you have three tightening devices for your mast. You have two 5/16" bolts closest to the rotor body, then a H.D. U-clamp through the outer end. If that wasn't enough to hold your mast in place, they also give you two cone-shaped set screws (on top and bottom), which bite into the mast, so it won't move in the worst winds!

HD-73 HEAVY-DUTY ROTATOR

with exclusive Dual-Speed Control!

For antennas up to 10.7 sq. ft. of wind load area. Mast support bracket design permits easy centering and offers a positive drive no-slip option. Automatic brake action cushions stops to reduce inertia stresses. Unique control unit features DUAL-SPEED rotation with one five-position switch. SPECIFICATIONS: Max. wind load bending moment—10,000 in.-lbs. (side-thrust overturning); Starting torque—400 in.-lbs.; Hardened steel drive gears; Bearings—100- $\frac{1}{2}$ " diameter (hardened); Meter—D'Arsonval, taut band (back-lit). There's much, much more—so get the whole story!



This rotor has two full raceways of 100 ball bearings for smooth operation. It incorporates a new automatic brake system. It is factory lubricated with a lifetime lubricant that will withstand -20 to +120 degrees Fahrenheit. The rotor also uses very heavy pitched gear teeth, which are quite a value for its price! One of the best features, and my favorite, is its dual speed operation. This really comes in handy for pinpointing those real DX stations!

There are a few safety devices on the control box. An internal thermal protector will shut the rotor down if its heat is too great. I find this a pain in the rump when you're having a heavy DX opening, but bypassing it will ruin your transformer or more. The answer to this problem is to keep it cool, I found, by either removing the cover on hot days, or by installing a muffin fan in the unit the control box will never get hot enough to kick out. I installed a muffin fan and a few small vent holes to release the hot air, with fantastic results.

Other than the thermal protector I can find no problem with this rotor. It's rated at 10.5 square feet of wind load, but I think it'll handle more! It will accept 1 3/8" to 2 1/2" O.D. mast (don't bother using 1 1/4"). The rotor weighs 11 1/2 lbs. with both mounting plates on it. The only cheap thing about it is the plastic control box. I personally would like a metal box. However I feel the guts are where they count!

It uses 6 conductor cable which is quite rare; most use 8 conductor and put two on the heavier voltage points. My overall view is good on this unit. I believe it to be well worth \$100.00 to \$140.00, depending where you buy it from! I would rate this rotor a 9 on a scale of 10—only because of the plastic control box. That wouldn't phase my decision though.

David J. Nieman
12284 Nice Road
Akron, NY 14001
U.S.A.



This month we go back to Dixon, IL with more DX photos from Bill Eckberg.....

The photo of WUHF-18 was taken about 1963 and was in an old camera Bill had lying around for 21 years before having it developed. "I am 80% certain it is now WTVV-18 Milwaukee, Wisconsin. I also have a picture of this station taken (dated June) 1961 and their call letters were WXIX-18 then. Earlier they were on ch. 19 too. If it isn't Milwaukee someone will know."



KNAZ-2 Flagstaff, AZ 1258 mile E-skip from October 16, 1984



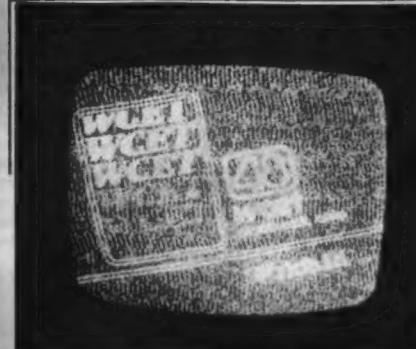
WQLN-54 Erie, PA 481 mile tropo from October 28, 1984

KHNE-29 Hastings, NE 464 mile tropo from October 29, 1984

On the next page are some of my DX photos from 1984. They are not as good as Bill's, but still maybe of interest.

Till next time,

Dave



WCET-48 Cincinnati, OH 405 mi.
tropo from Sept. 12, 1984



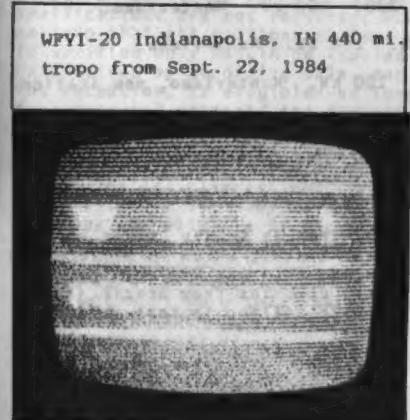
WTIC-61 Hartford, CT 300 mile
tropo from Sept. 25, 1984



WKMR-38 Morehead, KY 410 mile
tropo from Sept. 12, 1984



WXNE-25 Boston, MA 375 mile
tropo from Oct. 11, 1984



WFYI-20 Indianapolis, IN 440 mi.
tropo from Sept. 22, 1984



WGVC-35 Grand Rapids, MI 355 mi.
tropo from Oct. 12, 1984



Till next time,

Dave

SPECIAL REPORT

FM IN URUGUAY

by ANSELMO ROCCAFORTE

I am an electrical engineer and I belong to the technical staff of LR-11 Radio Universidad La Plata, Argentina. I live in a suburban zone, called Ringuelet; near La Plata city. La Plata is a city university (as Madison, Wisconsin). I live 45 miles from Buenos Aires City, the capitol of the country. I live 1.5 miles from the La Plata River, and across this river is Uruguay; 130 miles away is Montevideo, the capital of Uruguay.

The propagation from the stations over the river from Uruguay is a subject in which I am engaged now. I am using a reference of FCC study publications which I received from Washington DC. My "big problem" is a way to measure the level of the signals in all the bands. I'm writing about the status of the FM stations in Montevideo, as I monitor them in my home and have information from the stations' technical staffs.

Uruguay is a small country, with about 80 MW stations, about 20 TV stations (all in the VHF band), and an increasing number of FM stations. They have granted nearly 50 new FM stations. Uruguay, as do all the countries in South America, uses the 88 to 108 MHz band for FM. Montevideo has increased its number of FMs from two to seven commercial stations. There is one non-commercial which belongs to the government radio services, but it is off-the-air at the time I am writing this article. Uruguay had a big political change several months ago (as in my country a year and a half ago), when they went from a military government to a democratic government. Under the new government the new FM radio stations have come on the air. In my home I can hear 6 of the 7 stations all day, everyday. Of course, the signal level changes with the hour of the day and the weather conditions, but the signals are increasing with the tropo propagation now.

This list shows the actual status:

88.3 MHz...CX 202 EMISORA DE LA COSTA. 100 watts. This station is 10 miles from Montevideo, in Solimar Beach. New station.

93.9 MHz...EMISORA DEL PALACIO. CXA 230. 100 kW. Montevideo.

95.5 MHz...CXD 238 EMISORA DEL PLATA. 100 kW. Montevideo.

99.5 MHz...CXD 258 EMISORA DEL SOL. 100 kW. Montevideo, new station.

100.3 MHz...CXD 262 EL DORADO FM STEREO. 10 kW. Montevideo, new.

101.9 MHz...CXD 270 EMISORA AZUL. 100 kW. Montevideo, new station.

105.9 MHz...CXD 290 EMISORA GALAXIA. Power unknown. New station.

All the stations have a similar programme; that is to say, music with news at the hour. But the music is for all tastes, which is different than the FM stations in my country, which has 90% rock music. The stations have a wide spectrum of equipment: consoles from Brazil, transmitters from USA (Harris, which is ample selling in this part of the world), and CP antennas made by Andrews.

Worldwide TV-FM DX Association

WTFDA GUIDELINES FOR COMPUTING TV-FM DISTANCE RECORDS AND SCOREBOARD TOTALS

For those of you new to WTFDA, and for those longtime members who wanted to see them again, here they are. These are the club guidelines to be used when counting stations to report your totals to your TV and FM STATISTICS column editors. Remember, they are the club's official guidelines, FOR THE PURPOSE OF COMPUTING CLUB DX RECORDS ONLY. Members reporting to the DX columns are free to use whatever method of counting stations they choose, but must use the standards below when claiming a club record. We do suggest that you also use these guidelines when reporting to DX columns; otherwise, your DX column editor may decide not to use your report. Please note: WTFDA H.Q. supports the decisions of our DX column editors, and reserves the right to delete any reports that are found to be fraudulent.

- 1] A TV station received on more than one channel (when it changes channel, but retains its identity) may be counted once for each channel, excluding change in offset on the same TV channel. Simultaneous reception of the same station on more than one channel is usually a receiver problem only, though you may present evidence to the contrary. An FM station may be counted again when it deliberately changes frequencies, or varies more than 100 kHz from its normal frequency. DXers should be certain they are not counting receiver images or mixing products.
- 2] Stations operating successively on the same channel in a single city that are clearly unrelated (i.e., with different call letters and a hiatus in occupation of the channel, or non-renewal of the first station's license) are counted as separate stations.
- 3] A move in a station's transmitter location does not allow it to count as a new station unless the CITY OF LICENSE also changes. Thus, a station starting in a small city and later moving both transmitter and identity to a larger city, if received during both phases of operation, will count twice. Stations moving antenna from downtown to suburbs, for example, with no change in the city of license, count only once. The addition of a city to a station's identity (multiple city station identification) does not count as a new station.
- 4] A change in call letters per se is not sufficient reason to count that station as new, whether or not a change in ownership is involved in a continuously operating station. Power level or changes in power alone shall have no bearing on these guidelines.
- 5] Sharetime stations (rare cases of two stations in the same coverage area sharing the same frequency at different times of the day) count as one if they share their transmitter; individually if they have separate transmitter sites.
- 6] DX received via cable TV may be counted if the station was received off the air on its original frequency at the CATV headend, from which distances must be measured. TOTALS INCLUDING CATV MUST BE SPECIFIED.
- 7] The precise location of the transmitting antenna of the station shall be the determining factor in computing the DX path distance and tallying the number of political units received.
- 8] Verifications are not required; however, contributors must be reasonably certain that all stations claimed were received. Those totals limited to verified only should be labeled as such.
- 9] DX obtained by recording only, and not witnessed at the actual time of the reception, is eligible--so long as the contributor himself chose the frequency and prepared the recording apparatus. When more than one DXer is present at a DX reception, even as a visitor to another DXer's shack, only those having an active part in the reception may claim the DX.
- 10] Translators and experimental stations, as well as unlicensed outlets such as pirates and clandestines, are eligible. Harmonics of TV video signals are eligible if they fall within another TV band, and those of FM stations are eligible if the harmonics fall within the FM band. But utility stations monitored on FM or TV, and CATV radiation, do not count.
- 11] Any DX received within a 50 mile radius of a DXer's primary location may be included in scoreboard totals; but if more than two locations are used, all must be within an equilateral triangle 25 miles on each side. Include all stations eligible and monitored in scoreboard totals, whether "local" or actual DX.



STATION BREAK

WTFDA H.Q.
P.O. Box 514
Buffalo, NY 14205-0514

WTFDA member ads only. 3 line or 30 word limit.

FOR SALE - Complete set of offset issues of VHF-UHF DIGEST, from May 1972 - June 1984. Total of 146 issues. Perfect condition. \$100, plus shipping. David Walcutt, 211 W. 56 St., Apt. 36F, New York 10019. Phone (212) 315-1286.

TO TRADE - Political campaign buttons from elections, leadership races, rallies, etc. I can supply Canadian political promo stuff best, but I collect American & "Foreign" as well. Saul Chernos, 79 Ridge Drive, Toronto, Ontario CANADA M4T 1B6.

WANTED - USED 6AF4 tubes, or equivalent. Also, Blonder Tongue BTU-25 converter(s). Need not be operable. William Draeb, Ellis St. R.R. #2, Keweenaw WI 54216. (414) 388-2350.

FOR SALE - New Antennacraft P-7's \$64.95, P-5's \$44.95, RG11U 28 cents a foot, 25 cents over 100', .500 hardline connectors to male "F" connectors \$4.50 or two for \$8.00, plus shipping. Write or call Rich Wertman, 315 Pine Street, Lockport NY 14094.

WANTED - One new or used Winegard AC-9730 amp w/housing, also Teknika tuners, please help! Rich Wertman, 315 Pine Street, Lockport NY 14094.

FOR SALE - Winegard 6-element FM antenna, xInt condition, \$20.00 plus UPS. Eric Bueneman, 836 Lamplight Lane, Hazelwood MO 63042.

WANTED - Belden coax cable RG6U #9060 - 100 ft. Also Channel Master 6' UHF dish antenna (Parascope). I'd appreciate suggestions where to buy them. Yefim Mosenkis, 155-22 Jewel Ave., Apt. 7D, Flushing NY 11367.

FOR SALE - 1 set booms for Winegard CH8200, \$25. I'll pay shipping. Doug Dornbos, 3009 Port Sheldon, Hudsonville MI 49426.

YOUR non-commercial ad can appear in the VUD free of charge! Got a piece of DX gear you'd like to sell? Looking for something? Advertise in STATION BREAK. This feature appears on a space available basis. WTFDA assumes no responsibility for any claims made by advertisers--our trust is implicit, as fellow DXers.

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